



# SUSTAINABILITY

REPORT 2024

**ESG DATA INDEPENDENTLY VERIFIED**

for BES 6001 v3.1 Framework Standard for Responsible Sourcing

# Verification Statement

Over the years, certification to BES 6001, the framework standard for responsible sourcing, has become increasingly significant in the construction industry. BES 6001 requires construction product manufacturers to demonstrate levels of achievement against a series of clauses, some of which are compulsory and others being deemed as deserving of additional credit when the company goes above and beyond the compulsory level. Depending upon the score achieved by the organisation, it is possible to gain a Pass, Good, Very Good or Excellent rating. Higher levels of performance are achieved (in part) through external verification of particular clauses of the BES 6001 standard. This is particularly important for those organisations wishing to certify to an Excellent rating, as this rating cannot be achieved without this verification.

**This is the external verification statement for BES 6001 environmental and social activities, based on data as reported by Polyflor in their annual Sustainability Report.**

## Nature and scope of verification

CM Environmental has carried out an independent verification of the Polyflor KPIs and can confirm that they have not, in any way, been involved in the preparation of this data, nor has any bias or conflict of interest. The verification study has included a number of environmental and social issues which relate to specific clauses of BES 6001.

The scope of the data verification included the company's Whitefield Head Office and its Riverside, Teesside, facility.

The purpose of the verification exercise was to ensure that the information conveyed to stakeholder and other interested parties is accurate and supported by appropriate documented evidence.

The specific clauses of BES 6001 relevant to this verification exercise include the following:

- 4.4.1 Greenhouse gas emissions
- 4.4.3 Resource use and product circularity
- 4.4.4 Waste prevention and waste management
- 4.4.5 Water use and abstraction
- 4.4.12 Employment and skills
- 4.4.13 Local communities

## Statements of the independence of the verifier

CM Environmental has been providing support to a large number of clients involved in the manufacture of construction products since 2013. Although a small company, the team has many years' experience in supporting companies, both large and small, in a range of services including Environmental Management Systems (ISO 14001), Responsible Sourcing (BES 6001) and also a range of Quality Management issues (ISO 9001) and Health and Safety Management (ISO 45001).

The verification exercise was carried out by Christine Morris, who has experience of Responsible Sourcing in the construction products industry and is approved by the Building Research Establishment (BRE) as an independent KPI data verifier.

## Conclusion

Based on the procedures followed by CM Environmental during this independent verification exercise, there has been no evidence that the data supplied to the Polyflor Sustainability Report, for the period 1st January to 31st December 2023, has not been obtained based on reliable basis, that the information is not adequately presented, or that significant deviations or omissions exist. Verified figures can be used in support of sustainability reporting.

**Christine Morris**  
CM Environmental  
(16th April 2024)



# Welcome

This is Polyflor's 19th annual sustainability report, covering the company's environmental, social and governance (ESG) performance for 2023.

The data for this report has been independently verified by CM Environmental for BES 6001 v4.0 to provide our stakeholders with complete transparency.

As a responsible manufacturer, Polyflor endeavours to reduce and minimise the environmental impact across its operations. Whilst reporting this and highlighting our focused objectives and guiding policies, integrity is important: Reporting remains impartial, and indications are made regarding future improvements.



*"ESG is not supposed to be 'boiler plate' nor 'tick box' and each element of our place in our locality, in our wider community and our industry is important. Each facet is so much more important to the future and needs to be much broader than one measure or targeting 'net zero' at some future point. Environmental sustainability is not the responsibility of one person or committee but the work of the whole team across the Group looking at the different facets and focusing on the components that should each combine for a more cohesive strategy."*

*"Polyflor has always been industry leading with regards to its products and sustainability. We have used harvested rainwater for production since 1915 and have been recycling vinyl since we pioneered it in 1950. Our investment in sustainability initiatives and circular economy principles has continued, particularly with ongoing commitments to our recycling scheme, Recofloor, which is widely regarded as an exemplary model. Co-founded by Polyflor in 2009, Recofloor continues to significantly reduce the environmental impact of Polyflor and the wider sector - something we are very proud of."*

*"The business remains committed to continual improvement with sustainability at the heart of our operations and we look forward to reporting further significant developments, actions and progress against climate change."*



**Mark Halstead**  
Group Chief Executive, James Halstead PLC



# SUSTAINABILITY

REPORT 2024

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# Our Sustainability Journey...

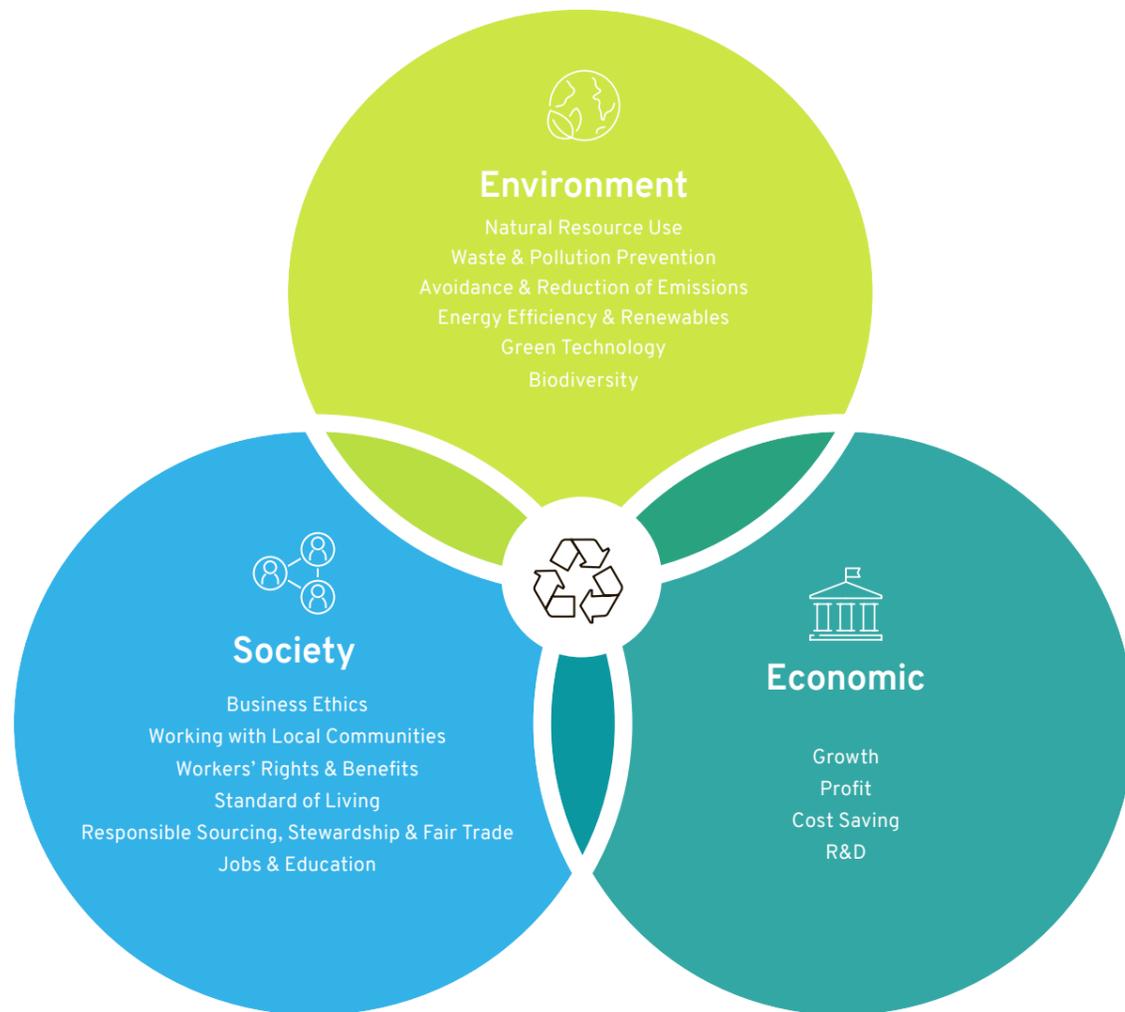
Over 100 years of minimising our footprint



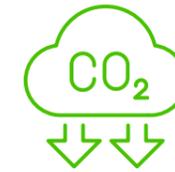
# Our Vision

Polyflor's vision is to minimise carbon emissions, as well as being socially and economically responsible. The vision of our business model is fully encompassed by the Three Pillars of Sustainability, which focus on synergy between Environment, Society (people) and Economics.

## The Three Pillars of Sustainability



# KEY STEPS TO ACHIEVE A MORE SUSTAINABLE FUTURE



The avoidance of emissions to the ecosystem.  
- Evaluating, monitoring and improving scope 1, 2 and 3 emissions



The introduction of products that are environmentally consistent with their intended use by providing a high level of durability, reliability, ease of maintenance and safe disposal at end of life.



Active participation in industry initiatives and projects that improve environmental impact.



Careful selection of materials, processing techniques and state of the art technology to reduce environmental impact.



Compliance with circular economy principles:

- Reduction of waste to a minimum
- Conservation of resources by use of recycling



Engaging and raising environmental awareness by regular and open communication with all stakeholders.



To go above and beyond in the communities in which we operate.



Best practice procurement and business ethics.



# Reducing our Carbon Footprint

Polyflor has a wealth of objectives and strategies to support sustainability development and continuous improvement. Polyflor will reduce its carbon footprint when and where possible:

- By 2030 we will significantly reduce our carbon footprint, relative to output, for scopes 1, 2 and 3 through improved efficiencies, renewables and recycling.
- Aligning with UK Government's targets, we will work towards achieving **net zero by 2050.**

# Our Credentials Guide

## Sustainability & CSR

Environmental and Corporate Social Responsibility management ensures continual development and progress, where it matters. The external audits and certification listed, assure that this is our priority and that we will continue to report transparently on key metrics regarding our culture, operations and stakeholder engagement.

ISO 14001		<b>ISO 14001</b> sets out the criteria for an Environmental Management System (EMS) and maps out a framework for a company to follow in setting up an effective EMS.
ISO 9001		<b>ISO 9001</b> is a certified quality management system (QMS) for organisations who want to prove their ability to consistently provide products and services that meet the needs of relevant stakeholders.
BES 6001		<b>BES 6001</b> is a framework Standard from BRE Global, for Responsible Sourcing, along with an associated independent third-party certification scheme. <b>BES 6001</b> will help organisations manage and reduce the impacts throughout the supply chain. The scheme is recognised by the BREEAM family of certification schemes and the Code for Sustainable Homes where credits can be awarded for construction products independently certified through <b>BES 6001</b> .
SA 8000		<b>SA 8000</b> is an international certification standard that requires organisations to develop, maintain and apply socially acceptable practices in the workplace.
ISO 45001		<b>ISO 45001</b> is a framework for an occupational health and safety management system.
<b>Modern Slavery Act Statement</b> This statement sets out the measures taken to prevent acts of modern slavery and human trafficking within its business and supply chains.		



What this means for you ...

Our certification gives you peace of mind on matters that matter to all of us as businesses and consumers. We all want to purchase best quality products and services from ethical, responsible and caring companies.

## Environmental Life Cycle Analysis & Eco Labels

Environmental LCAs are important in understanding a product's environmental performance over its entire journey, from materials sourced and used to the end of life. Every product has an environmental impact. An LCA therefore, helps identify each critical step, associated impact and performance.

IBU EPD		Polyflor has product specific <b>EPDs</b> verified by <b>IBU</b> (Institut Bauen und Umwelt e.V.) - an independent, environmental organisation which works closely with construction and environmental authorities in Germany. Product specific <b>EPDs</b> available on <a href="http://www.ibu-epd.com/en/published-epds">www.ibu-epd.com/en/published-epds</a>
Global GreenTag EPD		Polyflor has product specific <b>EPDs</b> verified by GreenTag, which operates an ISO compliant <b>EPD</b> Program. The reporting of its LCA studies is issued as an ISO 14025 compliant EPD.
ERFMI EPD		Generic <b>EPDs</b> are available via <b>ERFMI</b> (European Resilient Flooring Manufacturers' Institute), which provide transparency on environmental impacts.
INIES FDES		<b>INIES</b> provides environmental and health declarations of products for evaluating the performance of construction works. The <b>INIES FDES</b> is an independent third-party audit. To view <b>FDES</b> , visit <a href="http://www.inies.fr">www.inies.fr</a>
Global GreenTag LCA		<b>GreenTag</b> is Ecospecifier's Conformity Assessment Body (CAB) and Polyflor's products are certificated to meet <b>GreenTag</b> requirements.
SGBP		<b>The Singapore Green Building Product (SGBP)</b> scheme is a certification for green building products and materials. It is based on scientific and engineering principles and built upon the collective knowledge and expertise of the building and construction industry.
Friendly Materials		<b>Friendly Materials</b> is an analytical assessment methodology that evaluates and objectively compares how building materials and building systems affect indoor areas: It promotes transparency within the building materials' industry.



What this means for you ...

Our products' LCAs and Eco Labels give you a better understanding of all the associated environmental impacts and how they perform, helping you to compare products and make informed choices for specification.

# Our Credentials Guide

## Recycling

Recycling has always been important to us and continues to be a top priority. In operating our own recycling schemes as well as being part of external recycling initiatives, we are committed to minimising this sector's environmental impact and embracing Circular Economy principals.

Recofloor		Polyflor is co-founder and owner of <b>Recofloor</b> the UK's leading recycling scheme for smooth and safety offcuts and uplifted smooth vinyl flooring. This scheme is also used in Australia and New Zealand.
Polyflor RVF SA		The <b>Polyflor Recycling Vinyl Flooring</b> scheme is an independent recycling scheme in South Africa, collecting waste Polyflor vinyl flooring.
AgPR		We work with <b>AgPR</b> (Arbeitsgemeinschaft PVC-Bodenbelag) to reclaim recycled vinyl flooring waste from Germany/EU.
Valobat		<b>Valobat</b> is our eco-organisation partner in association with the French EPR - Extended Producer Responsibility (REP). As a manufacturer, we have a responsibility to contribute financially towards this programme to prevent waste and increase circularity.
Recovinyl		<b>Recovinyl</b> is a PVC recycling scheme, set up to encourage companies to recycle post-consumer PVC. The aim of the scheme is to increase the amount of PVC recycled by establishing sustainable collection and processing arrangements.



### What this means for you ...

Using one of our recycling schemes, or an affiliated scheme helps to avoid the concern of needlessly sending waste to landfill. You are improving your carbon footprint and could be saving money too. The Recofloor scheme, for instance, could **save up to 70% for arranged collections** (compared to landfill), or it is **FOC** when using one of our participating distributors. Recycling your Polyflor flooring helps with site waste management plans and may **contribute towards credits for 'waste' on a BREEAM assessment.**

## Health

We want our floor coverings to be healthy for the environment and for our customers. Our ranges are non-shedding and do not harbour dust. They do not contain harmful substances; are UK REACH compliant and are certified to assure very low VOC emissions for best indoor air comfort and quality.

IAC		Indoor Air Comfort ( <b>IAC</b> ) product certification by Eurofins, provides compliance to low VOC (Volatile Organic Compounds) emissions requirements of European specifications.  <b>Indoor Air Comfort Gold</b> certification shows a higher level of compliance, meeting criteria of many voluntary specifications issued by most relevant ecolabels and similar specifications in the EU. This is 'best in class' and good for indoor air quality, posing no risk to health.
FloorScore®		<b>FloorScore®</b> product certification by SCS Global, ensures that certified flooring meets strict indoor air quality (IAQ) emissions criteria of LEED; CHPS; The Green Guide for Health Care, and is recognised by a long list of healthy building programmes.
Afsset		<b>Afsset</b> (L'Agence Française de Sécurité Sanitaire de L'Environnement et du Travail) tests construction products compliance to the French Government's regulations regarding VOC and formaldehyde emissions.
M1		<b>M1</b> is the short version name of the Finnish voluntary emission classification of building materials. <b>M1</b> is the lowest VOC emission class of that system.
REACH	<b>REACH</b>	<b>REACH</b> is a European Union regulation concerning the Registration, Evaluation, Authorisation & Restriction of Chemicals. No harmful substances added, such as formaldehyde; asbestos and heavy metals. Plasticisers used by Polyflor are not classified substances and do not need authorisation under <b>REACH</b> . A range of mostly non-phthalate and ortho-phthalate plasticisers used across Polyflor's vinyl collection.



### What this means for you ...

You will also improve well-being and comfort with beautiful designs and clean indoor air quality, attainable through our low VOC products with further reduced VOC emissions from the maintenance regime.

# Our Credentials Guide

## Environmental Listings

Polyflor products are listed on various databases specifically for sustainable products, making specification options easier for green build projects.

<p><b>mindful MATERIALS</b></p>		<p>Our products are listed on the <b>mindful MATERIALS</b> platform, a design industry initiative that enables manufacturers to clearly communicate transparency of products' sustainability and health via the product certification library.</p>
<p><b>DGNB</b></p>		<p>Our EPDs are listed on the <b>DGNB</b> database <b>DGNB</b> (Deutsche Gesellschaft für Nachhaltiges Bauen e.V. / German Sustainable Building Council), which promotes sustainable and economically efficient buildings for the future.</p>
<p><b>BASTA</b></p>		<p>Polyflor has registered, approved products on the <b>BASTA</b> database, <b>BASTA</b> is a non-profit organisation owned by IVL Swedish Environmental Research Institute and The Swedish Construction Federation.</p>



*What this means for you ...*

These environmental listings offer another 3rd party validation for peace of mind, also making it easier for you to specify environmentally sound products for your project.

## Memberships & Associations

We like to be in the mix and keep abreast of current or potential issues and challenges, both within the industry and on wider environmental matters. This enables us to engage with stakeholders and react better to customer demands.

<p><b>VinylPlus</b></p>		<p><b>VinylPlus</b> is the voluntary sustainable development programme of the European PVC industry. It aims to create a long-term sustainability framework for the entire PVC value chain.</p>
<p><b>PVC Stewardship (Australia)</b></p>		<p>Polyflor Australia is a signatory to The Vinyl Council of Australia Product Stewardship Program. This program has voluntary commitments focused on Best Practice Manufacturing, Safe and Sustainable use of additives, Energy and Greenhouse Gas Management, Resource Efficiency and Transparency and Engagement. The commitments ensure that the entire process from raw materials through to end of life of vinyl products is reviewed and addressed to minimise environmental and safety issues within the vinyl industry, on a local and global scale. Visit <a href="http://www.vinyl.org.au/sustainability/stewardship">www.vinyl.org.au/sustainability/stewardship</a></p>
<p><b>Kaléi</b></p>		<p>Our French subsidiary is a member of the <b>Kaléi</b> trade association, which works with government ministries and stakeholders to inform its members of forthcoming legislation. <b>Kaléi</b> is also involved in the development of building standards and national initiatives that include sustainable development in our sector.</p>
<p><b>New Zealand Green Building Council</b></p>		<p>The <b>Green Building Council</b> is a non-profit, non-government, membership organisation covering more than 90 countries. The body's main aim is to facilitate dialogue between industry and government to promote sustainability in the construction sector.</p>
<p><b>UKRFA</b></p>		<p><b>UKRFA</b> (United Kingdom Resilient Flooring Association) – UK trade association for the resilient flooring sector.</p>
<p><b>ERFMI</b></p>		<p><b>ERFMI</b> (European Resilient Flooring Manufacturers' Institute) – ensures the maintenance of high ethical standard within the industry.</p>
<p><b>SAVA</b></p>		<p>The Southern African Vinyls Association (<b>SAVA</b>) is a representative body for the local vinyl industry fulfilling an active role in the sustainability of the industry.</p>



*What this means for you ...*

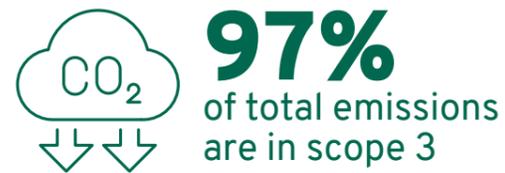
By our involvement and networking with these key stakeholder organisations, we are part of these communities and can stay on top of issues that matter most to you and better meet your demands.

# Sustainable Performance

For many decades Polyflor has been recognised as a leading global manufacturer of high quality, high performance sustainable floor coverings. We will continue to do good as a responsible and ethical manufacturer, whilst looking to continually improve.

## Greenhouse Gas Emissions

This is the company's first Sustainability Report reporting on Scopes 1, 2 and 3. The three scopes categorise the different types of green house gas emissions created by a company, its suppliers and its customers. In 2023, the company's greenhouse gas (GHG) emissions (tonnes) were the following:



Scope 1 Direct emissions 9,634 Tonnes of CO2e	Scope 2 Indirect emissions 0 Tonnes of CO2e	Scope 3 Indirect emissions 280,924 Tonnes of CO2e																																																			
<p>Polyflor's direct GHG emissions came from:</p> <ul style="list-style-type: none"> <li>Natural gas, which increased by 16% to 8,346 tonnes of CO2e</li> <li>HGV and forklift trucks' diesel increased by 3% to 1,228 tonnes of CO2e</li> <li>Polyflor's GHG emissions intensity decreased by 14%</li> </ul>	<p>Zero indirect emissions came from our electricity supplier, all of which comes from renewable sources.</p>	<p><b>As per GHG Protocol</b>, indirect upstream and downstream emissions came from the following areas:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Upstream scope 3 emissions</th> <th style="text-align: right;">CO2e (tonnes)</th> </tr> </thead> <tbody> <tr><td>Purchased goods and services</td><td></td><td style="text-align: right;">41,140</td></tr> <tr><td>Capital goods</td><td></td><td style="text-align: right;">91</td></tr> <tr><td>Fuel- and energy-related activities</td><td></td><td style="text-align: right;">332</td></tr> <tr><td>Upstream transportation and distribution</td><td></td><td style="text-align: right;">6,064</td></tr> <tr><td>Waste generated in operations</td><td></td><td style="text-align: right;">787</td></tr> <tr><td>Business travel</td><td></td><td style="text-align: right;">316</td></tr> <tr><td>Employee commuting</td><td></td><td style="text-align: right;">139</td></tr> <tr><td>Upstream leased assets</td><td></td><td style="text-align: right;">0</td></tr> <tr> <th colspan="2" style="text-align: left;">Downstream scope 3 emissions</th> <th style="text-align: right;">CO2e (tonnes)</th> </tr> <tr><td>Downstream transportation and distribution</td><td></td><td style="text-align: right;">34,013</td></tr> <tr><td>Processing of sold products</td><td></td><td style="text-align: right;">24,379</td></tr> <tr><td>Use of sold products</td><td></td><td style="text-align: right;">130,567</td></tr> <tr><td>End-of-life treatment of sold products</td><td></td><td style="text-align: right;">43,096</td></tr> <tr><td>Downstream leased assets</td><td></td><td style="text-align: right;">0</td></tr> <tr><td>Franchises</td><td></td><td style="text-align: right;">0</td></tr> <tr><td>Investments</td><td></td><td style="text-align: right;">0</td></tr> </tbody> </table>	Upstream scope 3 emissions		CO2e (tonnes)	Purchased goods and services		41,140	Capital goods		91	Fuel- and energy-related activities		332	Upstream transportation and distribution		6,064	Waste generated in operations		787	Business travel		316	Employee commuting		139	Upstream leased assets		0	Downstream scope 3 emissions		CO2e (tonnes)	Downstream transportation and distribution		34,013	Processing of sold products		24,379	Use of sold products		130,567	End-of-life treatment of sold products		43,096	Downstream leased assets		0	Franchises		0	Investments		0
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## POLYFLOR'S SUSTAINABILITY KPI'S FOR 2023\*

### Responsible Sourcing

- **94%** of suppliers' bulk deliveries above 23 tonnes load size - a 2% increase (against >90% target)
- **100%** of our suppliers have Modern Slavery Act Compliance certification – up 3%
- Obtained **BES 6001 'Excellent'** rating for Responsible Sourcing
- **258** tonnes post-consumer vinyl went back into new Polyflor – **35%** increase
- **7,906** tonnes of post-production vinyl added to Polyflor products – up **18%**
- **78** tonnes of recycled glass incorporated into Polysafe

### Production

- **100%** renewable electricity used and 0 scope 2 emissions
- Significantly reduced energy intensity per m<sup>2</sup> produced by **16%**
- **9%** increase on total waste being recycled or repurposed
- **86%** recycled or repurposed waste as a percentage of total site waste
- Biodiversity policy and actions implemented

### Logistics

- Fuel use decreased by **1%**
- CO2e emissions decreased by **3%** per mile
- Polyflor's backhaul operations removed **383** HGV journeys from the road – a **5%** increase - saving 36 tonnes of CO2e

### Closing the Loop

- **8,163** tonnes of vinyl recycled – 18% increase
- Recycled vinyl as a percentage of flooring manufactured was **15%**
- Recofloor collected **475** tonnes of post-consumer waste vinyl flooring
- **39** new companies/fitters joined Recofloor - 26% increase

### CSR

- **7%** increase on total employees
- Increases of **6%** for full time and **9%** for permanent employees
- Labour turnover reduced by **4%**
- Female employees increased by **4%**
- **20%** of Polyflor's workforce have been with the business for 25+ years, balancing that with a **33%** increase in the 16–25-year-old age group
- Working from home saved **189,647** miles of commutes and **78** tonnes of CO2e
- Loss Time Accidents (LTA) reduced by **18%**
- **78%** reduction in complaints
- Polyflor supported **14** charities - donating **£35,853** (646% increase) - and employees raised **£704** for additional charities

\*Data increases or decreases are compared with 2022.

**GOOD TO KNOW !**



Over the last 6 years, Polyflor has saved **13,488 tonnes of CO2e** and during this time **45% reduction in carbon emissions** has been made. This was through onsite progress, and not offsetting.

# Focus on LCA

Life Cycle Assessment or Analysis (LCA) is a comprehensive way to identify environmental impacts throughout a product or service's life.

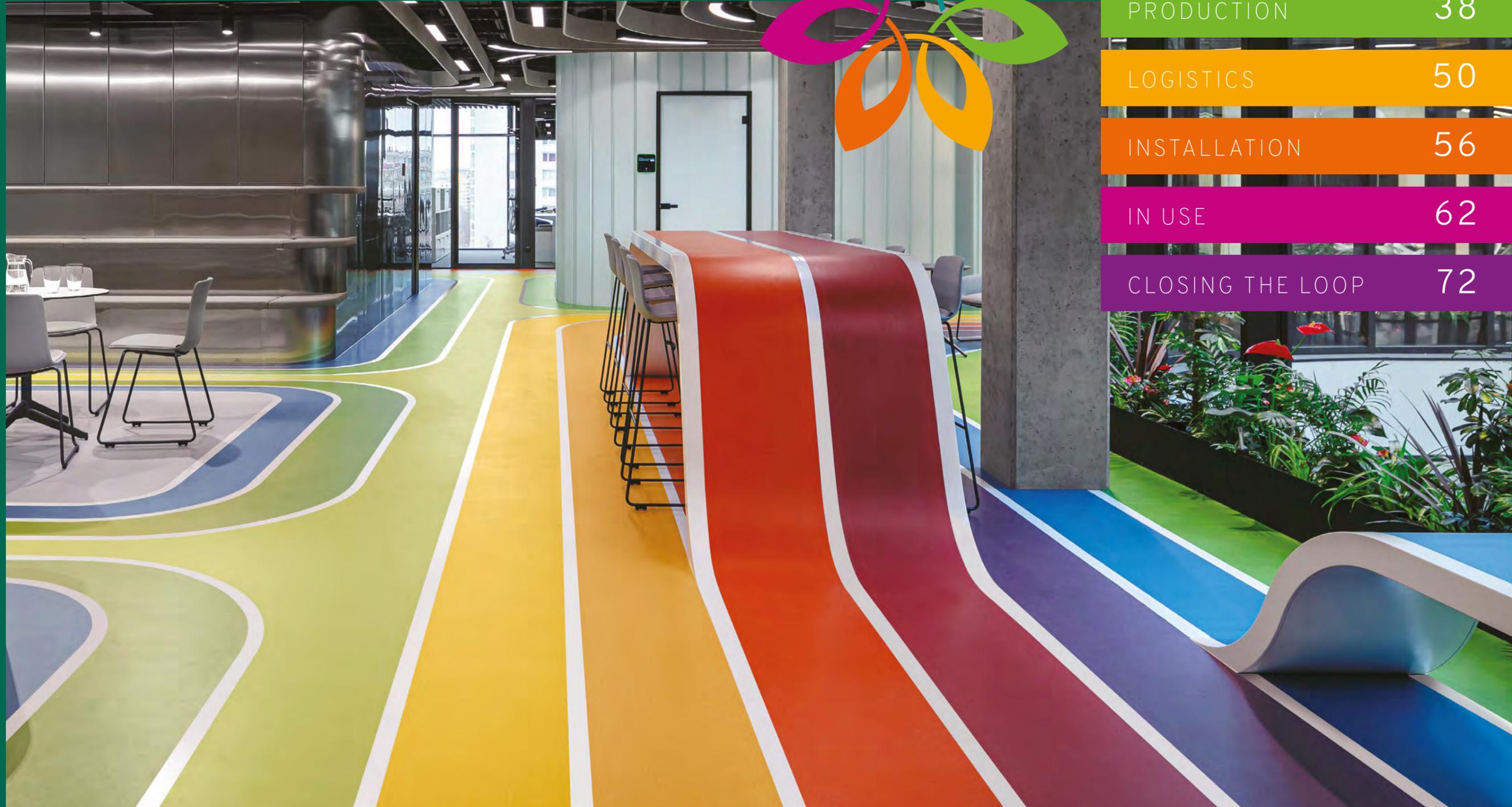
When it comes to looking at a product's environmental performance, it is easy to be impressed with headline grabbing statements and emotional communications. Importantly, we must consider scientific fact and rational information when forming opinions, rather than making decisions based on perception. An LCA provides us with the measured and scientific approach we should take when considering environmental factors and places all flooring on a level playing field.

The benefits of using an LCA methodology enables the specifier to have a better understanding of all the environmental impacts and not just one aspect in isolation. Polyflor's approach considers circular economy principles throughout an LCA. Our 7 Step Life Cycle explains this journey.



“LCA is a method to measure and evaluate the environmental impacts associated with a product, system or activity, by assessing the energy and materials used and released to the environment over the life cycle.”  
UK Green Building Council

# Our 7 Step Life Cycle



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## STEP 1 Sustainable Design

### Future Proofing

Polyflor embraces technological enhancements whilst producing functional and aesthetic products which will perform for years to come. Embracing the circular economy from the outset, to minimise waste, is also crucial.



**30 year**

Polyflor designs for a long life



Committed to design for a circular economy



**8**

Adhesive free options



Easier recycling, reuse & CO2e savings



**17%**

Of our ranges now loose-lay

# Product Development & Design

We are continually reviewing alternatives and new ideas to improve our environments. Sustainability is always at the heart of our design process.

## OUR GOAL

### Contribution to the Built Environment:

To develop products that improve the quality and sustainability of the built environment.

## OUR GOAL

### Contribution to the Built Environment:

To develop "loose lay" (adhesive free) products with reduced environmental impact for ease of recycling.

## Designing for the Circular Economy

Using Circular Economy principles, the design function must consider the following attributes of the floor covering to ensure ongoing best practice for sustainability.

### Material sourcing and manufacturing

Healthier and local materials are sourced to improve the embedded carbon footprints of our ranges. To reduce our carbon footprint further, minimising waste begins here with the use of post-production and reclaimed post-consumer vinyl waste in our ranges. Recycled glass is also used in some of our Polysafe ranges. We also consider how our products can be packaged at design phase, to minimise packaging waste and use sustainable materials.

**In a circular economy we stop waste being produced in the first place.**

*"As Group Design Manager it is crucial to innovate, and with each project comes specific, essential requirements. From the outset, the goals should always be to embrace technological enhancements whilst producing a functional and aesthetic product that can perform for years to come."*

*"As an established, commercial business we are tasked with meeting customer desires in tandem with our sustainability goals. Therefore, the development process enables us to be alert to, but avoid any unnecessary trends, minimising rapidly dated designs to increase*

### Installation

Adhesive free ranges play a big part within the circular economy, as loose lay or lock options minimise environmental impact through reduced embedded CO2e and can be reused (loose lay) or more easily and effectively recycled. Therefore, the product offering in our Fast Track collection has increased over recent years to reflect this. In fact, our loose lay ranges have increased by 88% over the last 10 years and now account for 17% of all our ranges.

### In Use

All new ranges are launched with market leading, low maintenance benefits built in to minimise use of water, chemicals and energy – helping to reduce our customers' carbon footprint, natural resources and costs.

### Reusing or Recycling

Polyflor ranges have always been recyclable, so since the 50's post-production waste has been reused. The increase of our loose lay offerings eases the facilitation of recycling uplifted vinyl (with the click products (loc ranges), but importantly, our easy-to-install loose lay products can be reused as well as recycled.

*longevity – style not fashion. This philosophy of minimising waste whilst maximising the life-cycle of the material is critical to our development process.*

*"A logical and correct understanding of each project provides the opportunity to both conserve resources and enhance the user experience, continuing to lead us on a more sustainable path."*

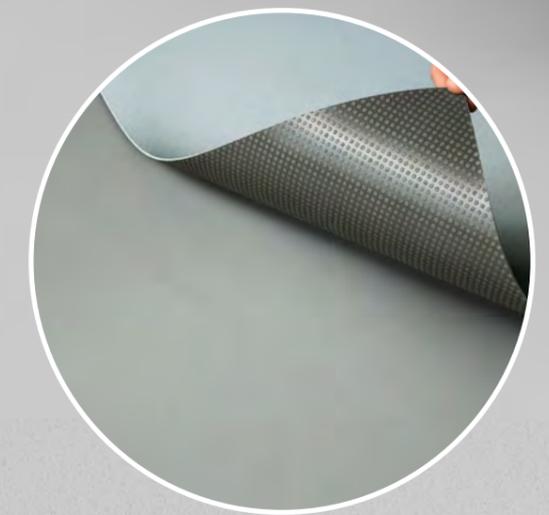
### Craig Moorhouse

Group Design Manager, James Halstead PLC



## CHECKLIST

- Reduce waste
- Easy cleaning
- Resist soiling & scuffing
- Low VOC emissions
- Easy to reuse or recycle



# Design for Life

More recent product launches have PUR and low VOC certification as standard and include aesthetics and features with a 'design for life' approach. For instance, aesthetics can be a relevant consideration for sustainability, as some decorative patterns or plainer designs help minimise waste and future-proof interiors, improving longevity.

## Optimise waste reductions with non-directional patterns or plain designs

### Palettone PUR

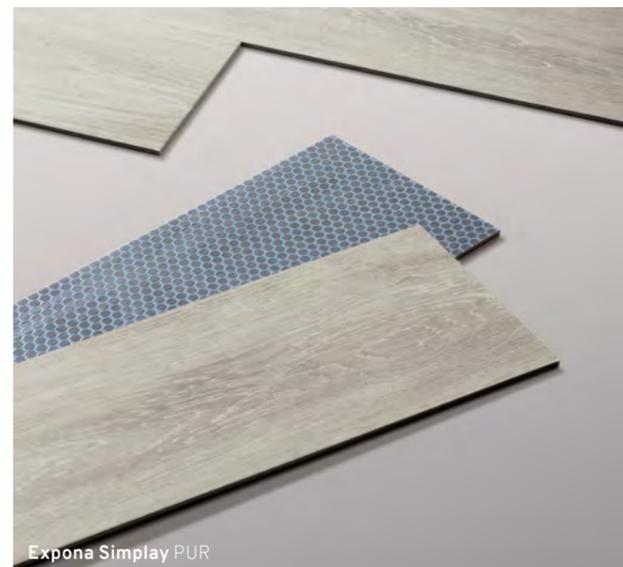
Smooth homogeneous sheet flooring with elegant, tonal highlights. Designed to stand the test of time aesthetically and performance-wise, demonstrating outstanding durability and abrasion resistance, achieving the highest abrasion wear rating Group T (EN 660 Part 2), EN ISO 10581 Type I.

### Polysafe Stone fx PUR

Virtually invisible aluminium oxide particles are integrated throughout the performance layer to provide a safety flooring which is both functional and timelessly beautiful. These carborundum-free safety particles ensure that Polysafe Stone fx PUR offers full HSE compliance and sustainable wet slip resistance, achieving 36+ on the pendulum wet tests.

### Polysafe Verona PUR: Pure Colours

The tonal decoration of this safety flooring will not date with a uniform appearance and matt surface finish, the collection is perfectly suited for installation within a wide range of environments but has been optimised with dementia friendly design schemes in mind and is DSDC certified. Our Pure Colours collection provides enhanced sustainable slip resistance of 45+ (slider 96) to ensure the underfoot safety of occupants for many years to come.



Expona Simplay PUR

## Adhesive free for CO2e reductions or reuse

### Polysafe QuickLay PUR

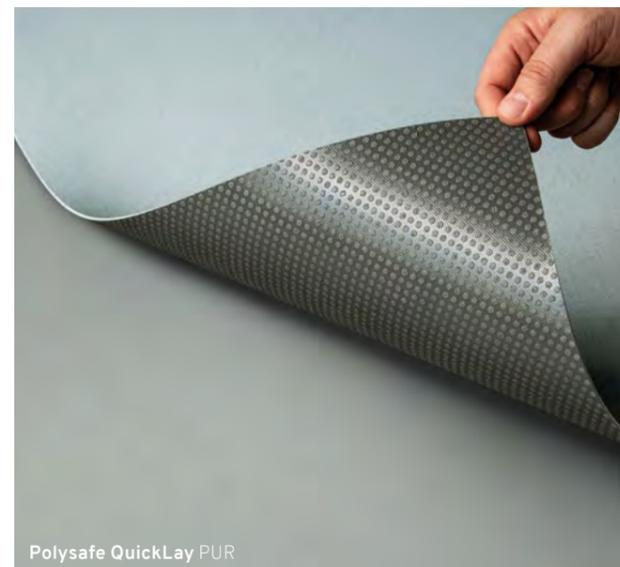
This loose lay safety flooring is designed for adhesive free installation and can be laid over a variety of existing subfloors. Polysafe QuickLay features contemporary understated colours with a decoration of tonal hues, optimised for specification within dementia friendly design schemes. Other areas of sustainability and longevity include enhanced sustainable slip resistance of 45+ (slider 96) and exclusive Polysafe PUR reinforcement for optimum appearance retention and superior cleaning benefits. Simply lift to reuse, repurpose, or recycle.

### Expona Simplay PUR

Expona Simplay PUR is a collection of loose lay tiles replicating the natural beauty of wood, designed to reduce installation time and provide easy access to under floor utilities – so there's no need to pull up and replace. Featuring PUR to assist a low maintenance regime during in-use, at the end this product can be reused or recycled.

### Camaro Rigid Core PUR

An interlocking vinyl tile range, this luxury flooring uses classic wood designs for use in heavy commercial and residential interiors. This recyclable range is adhesive free and can be laid over most existing floor coverings, significantly reducing installation time and waste.



Polysafe QuickLay PUR





## STEP 2 Materials

### Responsible Sourcing

Polyflor floor coverings contain a combination of ingredients which are clean, REACH compliant, sustainable, and recycled. The materials we use in our flooring are responsibly sourced and audited for our BES 6001 certification.



**78**

Tonnes of recycled glass in Polysafe products

=



**156,000**

Wine bottles



Up to

**85%**

Natural material



Up to

**40%**

Recycled content



**BES 6001**

RESPONSIBLE SOURCING

Up to an additional

**3.5 BREEAM points**



**43%**

Suppliers in a 50 mile radius



**100%**

Modern slavery act compliance

# Benefits of Vinyl

Through modern manufacturing, vinyl has a low environmental impact and combined with its exceptional functionality and performance characteristics across many applications, no other material can perform as well or cost effectively as this multi-faceted champion.

## Versatility

Chemically inert, safe, hygienic, and shatterproof, vinyl is necessary in everyday life and is vital in many industries, including healthcare: It is irreplaceable for most of its lifesaving applications such as surgical tubing, oxygen masks, containers for IV and dialysis fluids, IV sets, nasal cannulas, examination and surgical gloves, blood vessels for artificial kidneys, mattress covers and training manikins...

Vinyl, or PVC, is the most widely used polymer in building and construction applications with up to 70% of global annual PVC production used in this sector across many everyday building products, including pipes, cables, and windows for all construction projects. It is also present in facades, roofing and seating in stadiums all over the world.

Whether it is rigid or flexible, PVC is used in a range of long-life applications with lifespans ranging from 30 to 100 years in construction products such as cables, pipes and window profiles. PVC products are also low-maintenance and can remain in use for a long time before they reach end-of-life. Significantly, the unique composition of vinyl creates an extremely practical and durable flooring, which can have a lifespan of 30 years. In fact, we have known cases of our flooring lasting for over 50 years.

*"PVC makes a major contribution to the quality, safety and cost-effectiveness of construction materials, as well as contributing to lower environmental impacts of completed projects. It is the most widely used polymer in building & construction applications and over 60% of Western Europe's annual PVC production is used in this sector."*

PVC Europe

## Environmental

Vinyl is an environmentally sound choice: Over its whole life cycle, vinyl floor covering performs comparably or better than alternative materials across a range of environmental impacts.

- Vinyl flooring is energy efficient to manufacture, using less energy than other plastics and linoleum.
- Due to its incredible durability, it has a long service life, greatly reducing short-term replacements and subsequent energy consumption.
- Polyflor products' ease of maintenance significantly reduces energy intensive cleaning, plus the need for harsh chemical cleansers, polish, strippers and water usage is massively reduced, if needed at all.
- Vinyl is 100% recyclable and can be recycled many times over without losing any of its performance properties. If it is not recycled, vinyl has a high calorific value and may be safely incinerated generating energy recovery.

## Health & Safety

Modern, clean PVC is a safe choice and is the most thoroughly researched and tested plastic, meeting all international health and safety standards as per the intended application.

- Vinyl is inherently fire resistant and once removed from an ignition source will self-extinguish. The fire resistance of vinyl is typically higher than linoleum or rubber.
- It can provide the best slip resistance for underfoot safety.
- Vinyl has low VOC emissions.

*"PVC incineration was previously considered a source of dioxins and furans. However, introduction of better incineration and flue gas cleaning requirements under the Industrial Emissions Directive has led to a 94% reduction in emissions since the early 1990s."*

*"According to ECHA, it is highly questionable whether PVC waste has any role to play today. According to ECHA, the formation of dioxins, furans and other unwanted emissions depends on the type of furnace, operating conditions and flue cleaning systems. There is also no proportional relationship between the amount of chlorine in the waste and the amount of dioxins and furans formed! The same conclusion has been reached in previous studies, including by the Swedish Environmental Protection Agency."*

*"In other words, the small amounts of chlorine found in salty food waste, for example, are sufficient for dioxins and furans to be formed through inappropriate incineration. Adding the amounts of PVC found in waste has little or no effect. Nor can a reduction in dioxins and furans be achieved by removing PVC from waste."*

VinylPlus

**GOOD TO KNOW!**



Vinyl products contribute to greater building energy efficiency, cost savings, construction safety, lower embodied carbon and design versatility.

<sup>1</sup> European Chemicals Agency (2023). Investigation report on PVC and PVC additives. [https://echa.europa.eu/documents/10162/17233/rest\\_pvc\\_investigation\\_report\\_en.pdf](https://echa.europa.eu/documents/10162/17233/rest_pvc_investigation_report_en.pdf) p.12  
<sup>2</sup> Swedish Environmental Protection Agency (1999). Life cycles assessments and solid waste - Guidelines for solid waste treatment and disposal in LCA (AFR-REPORT 279). AFN, Swedish Environmental Protection Agency. <https://p2infohouse.org/ref/37/36473.pdf>: Themelis, N. J. (2010). Chlorine sources, sinks, and impacts in WTE power plants. Proceedings of the 18th Annual North American Waste-to-Energy Conference, Paper No: NAWTEC18-3577, pp. 77-84. <https://doi.org/10.1115/NAWTEC18-3577>

## PVC Benefits in Construction

- ✓ Safe in use
- ✓ Best use of natural resources
- ✓ Low energy consumption
- ✓ Excellent energy efficient ratings
- ✓ Low carbon emissions
- ✓ Can be recycled into more construction products than any other polymer
- ✓ Best cost to performance ratio
- ✓ More variation in uses than any other plastic



## A NEW ROADMAP FOR 2030

"The VinylPlus programme to 2020 was developed through open dialogue with stakeholders, identifying key challenges for PVC on the basis of The Natural Step System Conditions for a Sustainable Society."

"For its next sustainability programme to 2030, in order to contribute proactively to addressing the global challenges and priorities, VinylPlus adopted an outside-in approach to goal setting. The next VinylPlus Commitment aims to contribute to the United Nations 2030 Agenda for Sustainable Development, with a particular focus on sustainable consumption and production, climate change and partnerships. It also seeks to align with the most relevant EU policies, such as the Circular Economy Action Plan and the EU Chemicals Strategy for Sustainability under the European Green Deal. In line with VinylPlus' active participation in the European Commission's Circular Plastics Alliance (CPA), the new commitment also embraces the CPA's targets on the use of recycled plastics in new products."

VinylPlus

# Polyflor Materials

Ensuring that we get the right balance between what is best for product performance, the environment and what our customers want is critical and something which is constantly evolving.

## OUR GOAL

### Resource Use:

To recognise the need to source & use raw materials in the most appropriate & sustainable manner.

## 1. PVC Polymer

Polymer is made up of 57% salt (chlorine) and 43% oil (ethylene); salt being one of the world's most abundant natural resources.

Chlorine has an established place in the natural world: The sea, plants and animals all contain and produce vast quantities of chlorinated molecules. Chlorine is also a chemical used within the manufacture of essential, everyday items. For example, 85% of medicines contain chlorine or use it in the production process. Chlorine is not emitted during production and remains chemically bound within vinyl throughout its life-cycle. Ethylene comes mainly from gas or oil, but from biomass also. Ethylene is also natural, given off by ripening fruit. Just 4% of barrel oil is used for all plastic products globally and vinyl flooring uses only a tiny fraction of this. Most oil is used for heating and travel consumption.

## 2. Filler

The level of fillers used in Polyflor vinyl can account for as much as 72%. Fillers come from calcium carbonate, such as chalk and limestone, which is a natural and sustainable material due to the abundance of it in the earth's crust.

## 3. Plasticisers

Plasticisers are added to enhance the product performance characteristics through a range of operational temperatures and softening the vinyl is important in making it flexible and versatile. Plasticisers are safe to use and not classified under REACH. (Registration, Evaluation, Authorisation & Restriction of Chemicals)

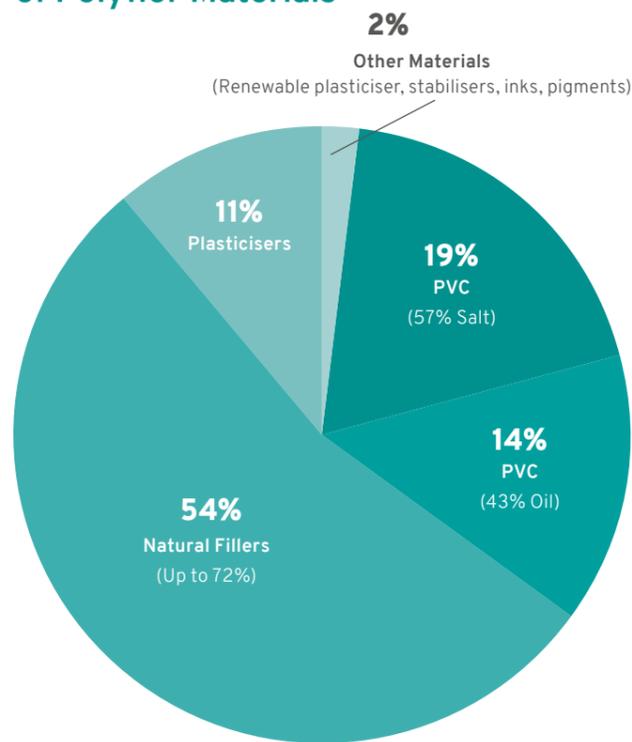
## 4. Other Materials

A small percentage of other ingredients such as stabilisers, pigments and inks are also used. All raw materials used by Polyflor are REACH compliant. Polyflor follows the strictest industry regulations ensuring no harmful substances to human health or the environment are used.

### Recycled Content

Vinyl flooring is easily recycled, which subsequently minimises the use of raw materials. Polyflor flooring is 100% recyclable and contains up to 40% recycled content, which can be a combination of post-production vinyl, post-consumer vinyl and recycled glass (used with aggregates in Polysafe flooring). In 2023 we used more recycled content including 8,163 tonnes of recycled vinyl across our ranges and 78 tonnes of recycled glass in Polysafe products – that's 156,000 wine bottles – increases of 18% and 19% respectively.

## Average Representation of Polyflor Materials



This is an average representation across our ranges, but raw material quantities vary:

The filler content is as much as 72% in homogeneous ranges.

## Our Sustainable Ingredients 2023

- Up to 40% recycled content included.
- 258 tonnes of recycled post-consumer vinyl used.
- 7906 tonnes of recycled post-production vinyl used.
- 78 tonnes of recycled glass in Polysafe products = 156,000 wine bottles.
- Polyflor products contain up to 85% natural materials.

*“As the first resilient flooring manufacturer to achieve the BRE’s BES 6001, we are well placed to give our customers confidence that the products they are offered are responsibly sourced. Our clear objective is to use sustainable and responsibly sourced raw materials.”*

*“Polyflor ranges are made using natural content, such as calcium carbonate, as well as other sustainable ingredients, such as vinyl and crushed glass, derived from internal and external waste streams. Furthermore, all raw materials considered undergo rigorous scrutiny and are safe and REACH compliant.”*

*“We are committed to manufacturing flooring which is safe for the environment and people: Good material resource management is key in doing this and ensuring a sustainable future.”*

**Paul Smallman**  
Technical Director, Polyflor Ltd.

# Responsible Sourcing

Responsible Sourcing includes social, ethical and environmental factors and how they are considered throughout the supply chain and design process. This is an important aspect of a product's life cycle, involving strong organisation and leadership, compliance, and solid relationships.

## How We Source Responsibly

Polyflor is certified to and rigorously audited on all aspects of responsible sourcing. Following on from our Quality Management System (QMS) ISO 9001, we achieved ISO 14001 in 2000. This sets out the criteria for an Environmental Management System (EMS) and maps out a framework for a company to follow in setting up an effective EMS. All environmental aspects, including the supply chain, are considered.

Most recently production achieved BES 6001 for responsible sourcing, and SA 8000 for decent and socially acceptable practices in the workplace.

## What is BES 6001?

The BES 6001 standard, from BRE Global, is a means of securing certification to demonstrate through independent, third-party certification, that products certified against the scheme have been responsibly sourced. BES 6001 does not focus on a company's site, but products or ranges manufactured at one or more sites.

BES 6001 is a framework standard for Responsible Sourcing which sets out requirements under three main headings: Organisational Management; Supply Chain Management and Environmental and Social Responsibility Management. To meet the standard, companies must satisfy certain compulsory elements. Additionally, there are higher levels of compliance that can result in a higher performance rating being awarded.

Depending on a company's performance against the criteria, ratings are awarded on a Pass; Good; Very Good and Excellent basis. **Polyflor sets the bar high, having been the only certified floor covering manufacturer to achieve an Excellent rating for Version 3 of the standard.** By achieving Excellent, Polyflor has satisfied the compulsory sections and conforms to the highest levels of compliance, which has been a massive undertaking for the company - involving production, all other internal departments and its supply chain. Certification is available on [www.greenbooklive.com](http://www.greenbooklive.com).

## The Importance of BES 6001

The UK Contractor's Group (representing over 30 leading construction companies who together account for a third of the UK construction industry turnover) state that: 'UKCG members support and give preference to procuring products which are able to demonstrate compliance with a recognised responsible sourcing scheme, certified by a third party.'

BES 6001 is just that. It is an increasingly important and valuable standard for customers who are looking to procure flooring with sound environmental credentials and traceability, from socially aware and ethical suppliers. Without doubt, the standard can help customers make better informed decisions when selecting suppliers.

The hard work and challenges set out by the BES 6001 framework has driven us to scrutinize our own supply chain more than ever before with greater commitment to using trusted, local suppliers who are ISO 9001 and ISO 14001 certified. Additionally, stringent and demanding environmental objectives have been set and managerial procedures and policies improved.

BES 6001 has also given Polyflor more direction with regards to social responsibility management - with a focus on internal procedures regarding employees, as well as how the company engages with our local communities and stakeholders in general.

Furthermore, the use of Polyflor products with BES 6001 certification contributes significantly to the available points in section MAT 03 of a BREEAM Assessment. Where many companies typically contribute 1 point through an environmental management system such as ISO 14001, Polyflor can provide an additional 3.5 points for its BES 6001 Excellent certification. BES 6001 also secures additional credits within the Code for Sustainable Homes.

Responsible Sourcing is defined in BS8902 - Responsible sourcing sector certification schemes for construction products - Specification as: 'The management of sustainable development in the provision or procurement of a product.' Sustainable development is further defined as: 'An enduring, balanced approach to economic activity, environmental responsibility and social progress.' Source: [www.greenbooklive.com](http://www.greenbooklive.com)



# Our Supply Chain

## OUR GOAL

To communicate and work constructively with the supply chain to deliver sustainable policies and practices.

ISO 9001 and ISO 14001 are recognised globally and are standard practice for many organisations. As such, Polyflor prefers approved and trusted suppliers who are ISO 9001 and 14001 certified or have robust environmental procedures and where possible are local to our manufacturing sites. Polyflor also uses Quality Assessment Questionnaires, following up with regular meetings and audits.

Additionally, we have a responsible sourcing policy, plus SA 8000, ISO 45001 and BES 6001 certification for responsible sourcing. SA 8000 is an international, auditable social certification standard for decent workplaces, across all industrial sectors. It is based on the UN Declaration of Human Rights, conventions of the ILO, UN and national law, and spans industry and corporate codes to create a common language to measure social performance. BES 6001, as already highlighted, helps us manage and reduce impacts throughout the supply chain.

As part of our ongoing BES 6001 objectives, we assess our suppliers on their business procedures and ethics as well as their commitment to the reduction of environmental impacts. With regards to the environmental impacts associated with suppliers' transport operations to and from our business, we encourage the use of energy efficient vehicles and adequate driver training to improve vehicle fuel efficiencies. For main suppliers, Polyflor's target score of more than 90% should be achieved on the following criteria: Supplier vehicles used to deliver raw materials to site have modern Euro V or Euro VI energy efficient engines and suppliers ensure that adequate driver training has been given to

maximise fuel efficiency. In 2023, Polyflor's suppliers exceeded this, achieving 92% on both counts – an 8% improvement on the previous year.

Another objective to reduce our scope 3 emissions is purchasing in bulk to minimise the transport impacts of our products, ensuring >90% of bulk deliveries are above the minimum load size of 23 tonnes. In 2023 we exceeded this again, with 94%.

Polyflor's parent company, James Halstead PLC, has a Modern Slavery Act Statement, underlining the steps taken to prevent modern slavery and human trafficking in its business and supply chains. Go to [www.polyflor.com](http://www.polyflor.com) for more information.

## Proximity of Suppliers

We also work with suppliers with the closest possible proximity to the Polyflor production sites. Our target is 85% of raw materials to be supplied within 500 miles of the factory. We did not achieve this in 2023, with 71% of raw material suppliers being within a 500-mile radius. However, this was a 4% increase on the previous year, which is a positive. Our objectives remain unchanged, and we continue to work towards increasing the percentage of our raw materials sourced within a 500-mile radius.

Compared to 2022, in 2023 100% of Polyflor's raw material suppliers achieved ISO 9001 (no change), 96% for ISO 14001 (4% increase), 93% achieved ISO 45001 (an increase of 4%) and achieving our target for 2023, 100% held Modern Slavery Act Compliance certification (a 3% increase).



## Polyflor Suppliers' Code of Conduct Policy

Polyflor Limited is committed to the sustainable and responsible sourcing of raw materials, with all suppliers expected to cooperate with the Code of Conduct Policy and have business ethics which are aligned with our own. In return, Polyflor will deal fairly with all its suppliers, and will seek long lasting business relationships, conducting business in an ethical and socially responsible manner.

All suppliers to Polyflor are expected to treat their employees with dignity and provide a fair wage, complying with relevant employment legislation. Polyflor has set out a Modern Slavery Act Compliance Certification, which all suppliers are expected to adhere to.

Suppliers are expected to have systems in place across their business to cover Quality, Environmental and Health and Safety matters. It is preferred that suppliers are accredited to the following international standards in these areas:

- Quality – ISO 9001
- Environment – ISO 14001
- Health and Safety – ISO 45001

Polyflor recognises its responsibilities within the supply chain and has identified a register of Interested Parties and Their Requirements. The Interested Parties identified include both our customers and our suppliers.

All suppliers to Polyflor will be regularly made aware of this policy. Regular reviews will be conducted to ensure continual improvement of its systems, and to ensure continued compliance with relevant legislation and standards.

# 43%

Of suppliers in a 50 mile radius

# 45%

Of suppliers in a 100 mile radius

# 71%

Of suppliers in a 500 mile radius



## STEP 3 Production

### Protecting Resources

Our flooring is energy efficient to manufacture and minimises environmental impact and carbon emissions. We apply '4 Rs' as we look to continuously reduce, renew, recycle and reuse resources. Our use of renewable energy has also increased dramatically.



**96%**  
Water supply  
from recycled  
water



**8,163**  
Tonnes of  
post-production &  
post-consumer  
vinyl recycled or  
repurposed  
**(+28%)**



**100%**  
Renewable  
electricity  
used



**13,488**  
Tonnes of CO2e saved  
(Since 2018)



**16%**  
Reduction in  
energy intensity

= 1,759 homes'  
energy use for 1 year



**45%**  
Reduction in CO2e

# Energy Use

There is a direct connection between energy use and the environment. Energy consumed equals emissions being released into the atmosphere, which is why energy efficiency is crucial and why Polyflor sets out to minimise its energy consumption where possible and use renewable energy.

## OUR GOAL

**Polyflor Climate Change and Energy:**  
To use energy efficiently throughout the production process, reduce fossil fuel consumption and utilise renewable sources of energy to minimise greenhouse gas emissions.

In terms of climate change, vinyl has a low carbon footprint, which can be observed in EPDs (environmental product declarations).

## Since 2018



**13,488**  
Tonnes of CO<sub>2</sub>e saved  
= 1,759 homes' energy use for 1 year



**45%**  
Reduction in CO<sub>2</sub>e

## 2023 Performance

Due to the result of the company's hard work and compliance to its Climate Change and Energy Goal for 2023, Polyflor achieved many positives regarding its production's energy and emissions. Energy use increased by 10% compared to 2022, but -4% against 2019. Energy use increased as volume outputs increased, but importantly, energy intensity decreased by 16% to 3.66 kWh per m<sup>2</sup> from 4.35 and was the lowest figure in 8 years.

Total GHG emissions for Polyflor's production sites were 8,346 tonnes: **Scope 1 Emissions** - GHG emissions from natural gas increased by 16% to 8,346 tonnes of CO<sub>2</sub>e in 2023.

**Scope 2 Emissions** - Emissions from electricity were zero as 100% of our electricity supply used on site comes from a renewable source and aligns with our goal to utilise renewable energy sources.

## How we are Improving

In recent years we have complied with the Energy Saving Opportunities Scheme (ESOS) 1 and 2. We are now identifying opportunities to further improve both our shorter and longer-term carbon goals, as well as achieving compliance with ESOS Phase 3 in 2024. Polyflor's ongoing investment in energy-saving equipment and projects is highlighted below:

### Recently

- Replaced old chillers on 2 production lines with energy efficient modern chillers with free cooling technology, which can reduce energy by up to 70%.
- Installed LEAP ESP (low energy abatement plant) on 1 of the production lines.
- More daylight ports were installed to maximise natural lighting.
- Existing lighting was replaced with new LED lighting, operated with sensors, throughout the production halls and warehousing.
- Weekend switch off schedules were issued for Whitefield plants.
- Energy incidents are raised and corrected.
- Objectives, such as air leak, steam trap and thermal imaging surveys are carried out at regular intervals.

### New for 2023

- Installation of bespoke, fully encapsulating insulated jackets to blenders, which will improve energy efficiency by maintaining the blender temperature with reduced steam requirement.

### Next Steps

- Polyflor's recent ESOS audit has provided a number of energy-saving opportunities, which are currently being reviewed. This includes further improvements to lighting and the potential use of solar panels.



## DON'T FORGET!

Typical 30-year service life means fewer replacements = less energy to produce flooring for the life of the building.

## Summary 2023

- New reporting for 2023 incorporates Scopes 1 & 2 carbon emissions
- Total Scope 1 & 2 GHG emissions were 8,346 tonnes CO<sub>2</sub>e
- Energy increased by 10% due to increase in production volumes
- Production and energy use were more efficient with energy intensity decreasing by 16% to 3.66 kWh per m<sup>2</sup>

## DID YOU KNOW?



**Emissions from electricity were zero** as 100% of our electricity supply used on site comes from a renewable source and aligns with our goal to utilise renewable energy sources.

# Water Use

Water is a natural resource which must be protected. Water usage can be high in many manufacturing plants, but Polyflor has taken numerous steps to ensure that this is minimised and that we continue to adhere to our Trade Effluent License.

## OUR GOAL

To use water efficiently to minimise demand on potable water supplies and treat process water and site run-off effectively to mitigate against pollution risks.

## Water Source

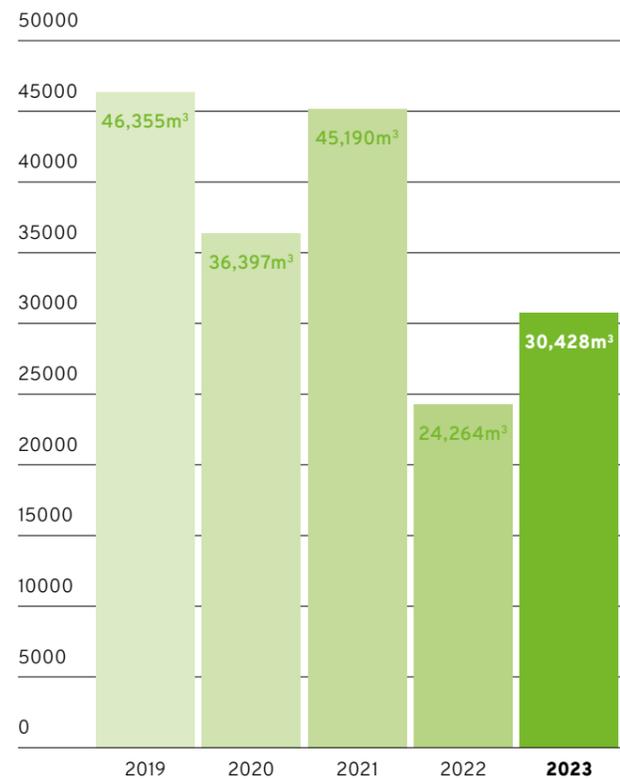
At the Whitefield site, rainwater is collected and stored in a designated area known as 'lodge water' and is used for cooling. Following its use, it is returned into the lodge. Lodge water is used to substitute mains water supply, and so just 4% of water consumed by manufacturing comes from the mains supply.



## 2023 Performance

In 2023 mains water use increased by 25% against 2022. However, looking at production's water usage trends over recent years, the 30,428m<sup>3</sup> is positive, and much lower than previous years, for example in 2021, water usage fell by 33%. This is due to ongoing initiatives to reduce water use in manufacturing and a proactive approach to identifying and rapidly resolving water leaks across our production facilities. Moreover, production increased in 2023: water used on site from the mains supply is largely for steam and cooling tower usage and is linked to overall production volumes.

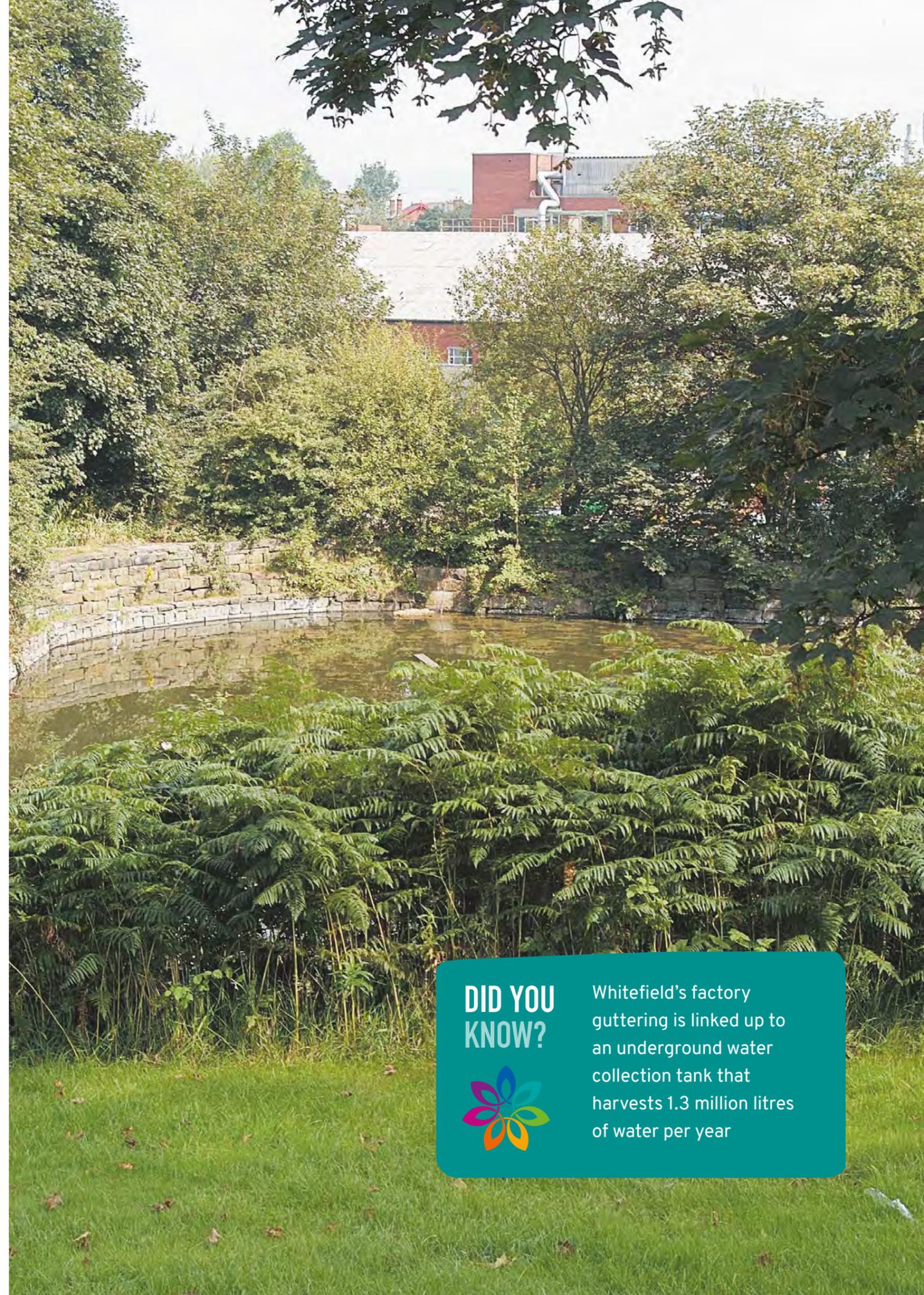
## Total Water Used



## How we are Improving

Across our sites we have many steps in place to minimise water usage throughout production, including the following:

- A filtering system filters lodge water for one of the cooling towers, which substitutes mains water with lodge water for process cooling. This had reduced annual mains water usage.
- Part of Whitefield's factory's guttering is linked up to an underground water collection tank that has a 22,000-litre water collection. Our target to harvest 30% of the rainwater from the roof has been surpassed and we are now collecting 50%. This water is used on a jet washing facility, but may also be used elsewhere, such as the cooling towers and production line. Based on average rainfall, the system can harvest 1.3 million litres of water per year.
- Optimisation of steam pressure.
- Improvement of the efficiency of pumps and automatic controls.
- Regular steam trap surveys.
- Optimisation of cooling water temperature.



**DID YOU KNOW?**

Whitefield's factory guttering is linked up to an underground water collection tank that harvests 1.3 million litres of water per year

# Biodiversity

Polyflor has always enjoyed green space around its three UK production and warehousing sites, with an abundance of trees, hedgerows, and other plants.

Whitefield's manufacturing and warehousing site sits on grounds of 8.7 hectares (Ha) with 25% green space; the warehousing site at Royton comprises grounds of 20 Ha, of which 25% is green space with surrounding woodland; and Polyflor's manufacturing and warehousing site at Teesside is situated on grounds of 19.56 Ha with 65% green space, including woodland.

We understand that maintaining and developing biodiverse spaces around our sites can have a positive impact on people's lives as well as protecting the environment. This is particularly vital around our production site at Whitefield, which is in a residential area: Living amongst nature is good for physical and mental wellbeing and for creating healthy, happy communities. A survey by the Mental Health Foundation found that 65% of UK adults say that being close to nature improves their mood. \*

Polyflor's ambitions to understand and improve biodiversity across these three sites, greatly improved in 2023. A new biodiversity policy was introduced and included on our website to highlight where and how we can reduce our environmental footprint directly, and indirectly through our supply chain. Adding to the existing trees, shrubs and flowers on Polyflor's three grounds, wildflower seeds were scattered around the sites, and some of the grass areas were also left to grow wild as meadows.

'Biodiversity collectively describes the billions of unique living organisms that inhabit Earth, and the interactions among them.

'They represent a vital element of our lives but are under continuous threat. The main pressures on biodiversity are changes in land use (e.g., deforestation, intensive mono-culture, urbanisation), direct exploitation such as hunting and over-fishing, climate change, pollution, and invasive alien species.

'Preserving biodiversity is paramount, not only for its intrinsic value, but also because it provides us with e.g., clean air, fresh water, good quality soil and crop pollination. It helps us fight climate change and adapt to it, and helps reduce the impact of natural hazards. Thus, its decline has fundamental consequences for society, the economy and human health.'

European Environment Agency



## Biodiversity Policy

Polyflor Limited manufacture and distribute worldwide a vast range of floor coverings and accessories. This involves the purchase of raw materials, packaging materials and their storage, handling, and conversion via multi-stage processing to the final product. The Board of Directors of Polyflor Ltd recognize the impact our operations have on the environment and are committed to minimizing our ecological footprint and where possible contributing to the conservation and enhancement of biodiversity. To this end the Manufacturing Director has specific responsibility for biodiversity and to ensure we meet the requirements of BES 6001 v4.

Polyflor does not currently manufacture in areas of high biodiversity value such as natural protected areas. Our activities do not, therefore have a direct impact on sensitive biodiversity features. Nevertheless, our activities can have an indirect impact on biodiversity. Polyflor will address this in the following ways:

- Ethics – recognise the need to adopt and apply standards of ethical behaviour appropriate to the purpose and activities of the organisation.
- Comply with all applicable local, national, and international laws and regulations related to biodiversity and environmental conservation.
- Source raw materials and resources from suppliers who share our commitment to responsible and sustainable practices, with a focus on reducing negative impacts on biodiversity.
- Efficiently use resource by reducing waste, energy consumption, and emissions that could harm biodiversity.
- Implement measures to prevent pollution and minimize any adverse effects on ecosystems, water bodies, and local communities.
- Where relevant, actively work to protect and conserve biodiversity in areas where our facilities are located.

Progress will be achieved by continuously improving our biodiversity performance through regular review and updating of this policy and where relevant by setting objectives for biodiversity improvement, and by reviewing the objectives as necessary. The company objectives and targets are identified in the Environmental Manual Schedule 2 (ENVMANSCH 2) of the Polyflor Management System Manual. The policy, objectives and their progress are communicated through department notice boards.

**DID YOU KNOW?**



Of the 48.3 hectares making up Polyflor's 3 sites, 20 hectares or 41% are green space = 29 football pitches

# Waste Management

Waste Management continues to be an important part of Polyflor’s ongoing sustainability objectives within its BES 6001 and ISO 14001 management systems. Waste minimisation from the outset is pivotal with recycling and repurposing being integral to Polyflor’s waste management process.

## OUR GOAL

**Polyflor Waste Management:**  
To manage all waste streams effectively by adopting the waste reduction hierarchy and minimise waste incinerated and disposed of to landfill without energy or material recovery.

## Polyflor Waste Hierarchy

PREFERABLE	<b>Prevention</b>	Using less material in design and manufacture; keeping products for longer; re-use and using less hazardous materials.
	<b>Preparing for Reuse</b>	Checking, cleaning, repairing, refurbishing whole items or spare parts.
	<b>Recycling</b>	Turning waste into a new substance or product. Includes composting if it meets quality protocols.
	<b>Other Uses</b>	Includes anaerobic digestion; incineration with energy recovery; gasification and pyrolysis which produce energy and materials from waste.
AVOID	<b>Disposal</b>	Landfill and incineration without energy recovery.

In accordance with BES 6001, Polyflor’s objectives to reduce waste to landfill in 2023 included recycling post-production waste and returned post-consumer waste; actively managing and promoting the Recofloor vinyl take-back scheme and applying a Waste Hierarchy to all Polyflor waste streams. Moving waste streams up the hierarchy is important but limiting the potential for waste at the outset will continue to be a priority, working to the ethos of **‘Reduce, Reuse, Recycle’**.

All post-production waste vinyl is recycled, either back into new Polyflor flooring or sent to a third-party recycler.



## Polyflor Waste Facts 2023

Supporting our objective to reduce waste from the outset, 2023 was a mixed year in regard to reducing both our gross and net waste.

### Gross Waste

- Our total (or gross) waste figure increased by 25% in 2023 compared to 2022. However, production output increased significantly in 2023. Notably, the gross waste figure in 2023 was 21% less than 2013.
- Our gross waste as a percentage of tonnes manufactured was 17.9%. This was 1.9% lower than 2022 and the lowest waste to production figure in 13 years.

### Net Waste

- Our net waste tonnage figure (waste which has not been recycled or repurposed) increased 841% in 2023 and was our highest net waste figure since 2015. This has been raised and reviewed at our regular Directors’ meetings, and actions have been put in place to perform better next year and beyond.
- The net waste as a percentage of manufactured vinyl flooring did not meet or surpass our objective of 1.5% - the first time in 4 years. In 2023 we reached 2.5%, a 2.1% increase on 2022.



**DID YOU KNOW?**

In 2023 we achieved our lowest waste to production figure in 13 years

# Recycling

Polyflor has been recycling vinyl since the 1950s, when we pioneered the manufacture of homogeneous flooring. It has always been considered a natural part of the manufacturing process.

Post-production waste vinyl is generated on site from scrap material produced during and after production, this comprises vinyl chippings, clean trims and offcuts as well as recovered dust.

In 2023 we also recycled 78 tonnes of post-consumer waste glass (90% more than 2022 and 117% more than 2021) combined with aggregates and used in the production of some of our Polysafe products. **That is the same as around 156,000 wine bottles.**

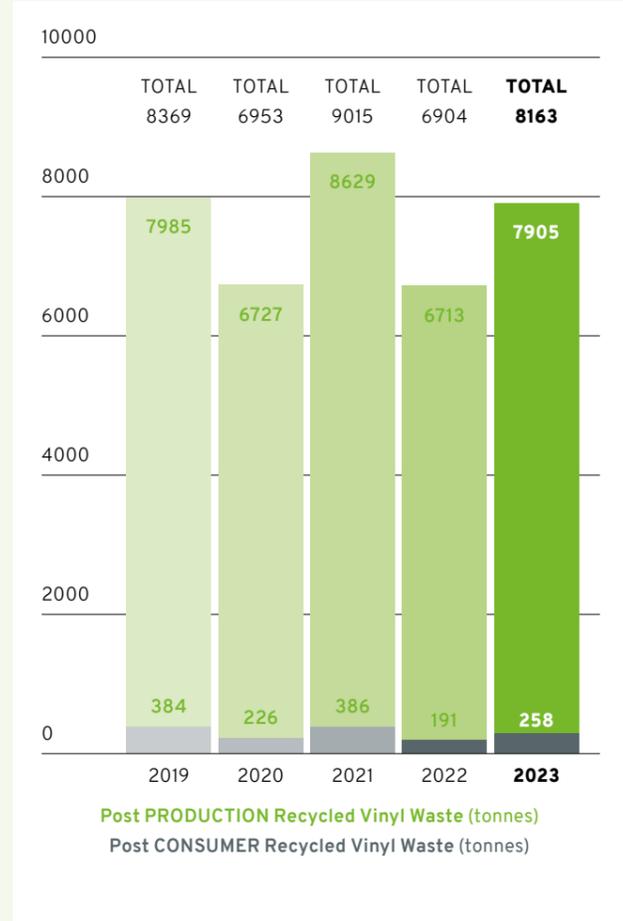
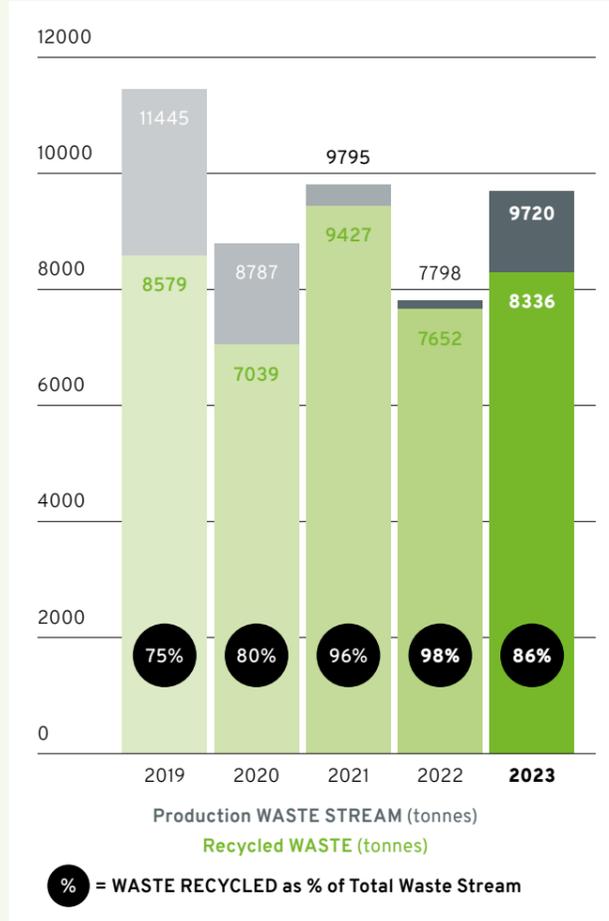
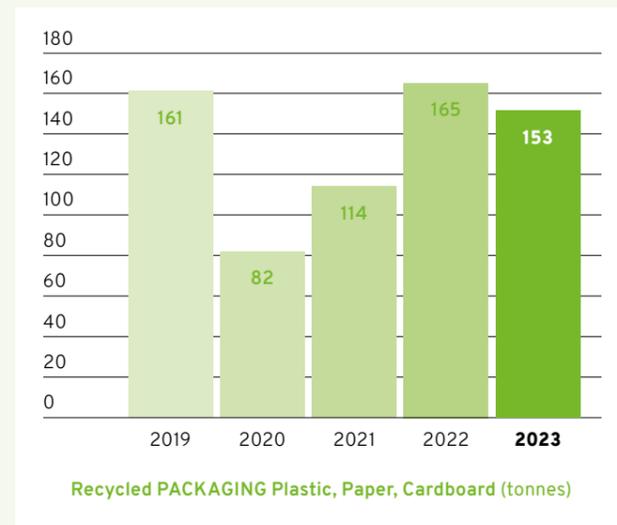
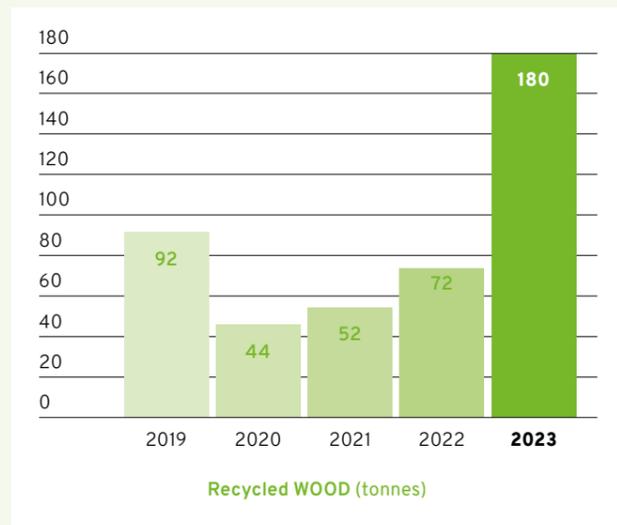
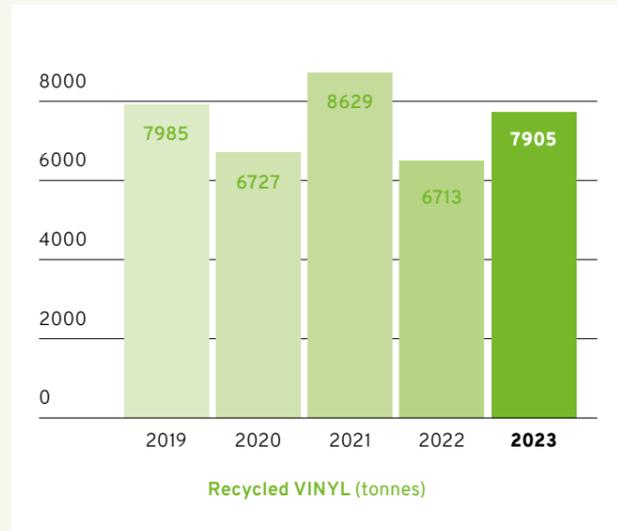
**DID YOU KNOW?** Over the last 6 years, Polyflor has recycled 447 tonnes of glass into Polysafe – that's 894,000 wine bottles

Post-consumer vinyl waste is returned to Polyflor via the Recofloor recycling scheme, which operates throughout the UK, Eire, Australia and New Zealand. Post-consumer waste that is recycled back into Polyflor flooring is fully controlled and UK REACH compliant.

Few materials are better suited to recycling than vinyl flooring: vinyl is 100% recyclable and can be recycled many times over without losing performance properties. Furthermore, **recycled vinyl requires 85% less energy to manufacture than virgin PVC.**

It is important to note that as a business with electrical and electronic equipment to dispose of, we are fully compliant with the Waste Electrical and Electronic Equipment (WEEE) Directive and therefore recycle such waste accordingly.

## Total Production Waste Recycled (Tonnes)



**100%** of our vinyl flooring is recyclable

**40%\*** Recycled Content

**5%\*** Post Consumer Recycled Content \*Up to

### Summary 2023

2023 remained overall a positive year for our waste management process, given the higher production volumes achieved, which were the highest since 2015. Compared with 2022, Polyflor recycled or repurposed 9% more but total waste was 25% greater. Therefore, total waste recycled as a percentage of the total waste stream was 86%.

Less packaging and liquid waste was recycled in 2023 but recycling of everything else increased. 150% more wood was recycled, also post-consumer and post-production tonnages recycled increased by 35% and 18% respectively, with total vinyl recycled back into new flooring increasing by 18%. However, recycled vinyl as a percentage of flooring manufactured was 15% - a slightly lower figure than in recent years but the same as 2019 and 2018, when production volumes were similar.

### How we're improving

Relative to the size of our operations and volumes produced, very little waste goes to landfill: safety flooring and returned uplifted flooring goes to a recycling specialist to convert into road safety items. Waste liquids are sent for treatment where the water fraction is separated, and the remainder is used for energy generation. General waste is sent to a sorting site which picks out valuable materials for recycling or reuse, with the rest being sent for energy recovery.

Investment is repeatedly made to improve storage and handling facilities for waste on site, with further sorting bays introduced onto the 'Waste Yard'. We have also organised visits to waste sites to help our production departments understand the importance of sorting waste.

This improvement will continue, and recycling will remain an important part of our waste management process, including the support provided to the Recofloor recycling scheme and other international vinyl recycling schemes.



## STEP 4 Logistics

### Reducing footprints

We are responsible within the supply chain, and our floor coverings are distributed efficiently through our own well managed fleet and distribution network. We recognise social and environmental impacts of all transportation, therefore adopting appropriate strategies to minimise our carbon footprint.



**383**

HGV journeys removed from backhauling



Efficient fleet HGVs with modern VI engines



**3%**

Reduction of CO2e emissions per mile



Electric forklift trucks used



Product wrapped in recycled, reusable or recyclable FSC paper

# Warehousing & Packaging

The appropriate storage and packaging of Polyflor's vast product portfolio is important to us and our customers. Minimising waste, CO2e and using sustainable packaging, whilst ensuring that our product remains in the warehouse and arrives undamaged is critical.

## Warehousing

Polyflor has 3 warehouse units to optimise stock handling for greater supply chain efficiency. At these sites, energy efficient LED lighting has been installed to reduce environmental impact.

In 2019, Polyflor replaced all diesel forklift trucks at its warehouse operation in Royton, with electric ones. Each year an electric forklift truck saves 3 tonnes of CO2e emissions compared to the diesel FLT's and additional benefits include being cleaner and quieter, for improved air quality and reduced noise pollution on and around the site. However, some of the FLT's at our Whitefield and Teesside sites are diesel and produced 104 tonnes of CO2e, against 58 tonnes in 2022.

## Packaging

Ongoing objectives for BES 6001 include assessing current and new packaging to ensure it has the best fit in terms of recycled content and recyclability, as well as minimising double wrapping or potential for damage. Polyflor flooring is packed in the most effective manner to provide necessary protection, whilst minimising waste.

We use minimal packaging, but we have minimised the use of plastic, with most of our product packaging being a mix of FSC, recycled and recyclable paper and cardboard: this is for the primary packaging components, including roll inners, boxes, roll wrap and labelling. Plastic discs for the roll ends are used and plastic shrink wrap is still used for palletisation, but recycling of various elements of our packaging waste is organised on site. Additionally, no packaging tape is used on Polyflor's LVT boxes.

One area of our operations where single use plastic has been eliminated is within our Samples Department, where traditional plastic-based tape has been replaced with paper tape on all items despatched.

By the very nature of our product ranges, packaging waste is minimal in volume terms per m<sup>2</sup> of flooring delivered.

## CE & UKCA Marks

As a manufacturer of high-quality vinyl flooring, it is Polyflor's responsibility to clearly label its product with the CE & UKCA Marks and declare conformity with all the legal requirements to achieve the markings. Polyflor therefore ensures the validity for that product to be sold throughout the European Economic Area (EEA).

EN 14041, the European standard relevant to the CE mark for floor coverings, has been adopted and is now legally binding. Essential characteristics specified within EN 14041 include:

- Reaction to fire
- Content of dangerous substances
- Emission of dangerous substances into indoor air
- Water tightness
- Slip resistance (EN 13893)
- Electrical behaviour
- Thermal resistance (thermal conductivity)

Once the product is placed on the market with a CE mark the manufacturer must issue and sign a Declaration of Performance, made available in the official language(s) of the member state into which the product is intended to be sold.

As with the CE mark, the UKCA (UK Conformity Assessed) marking is a new UK product marking that is used for goods being placed on the market in Great Britain (England, Wales and Scotland). The UKCA mark, BS EN 14041, works in the same way as the CE mark and covers most goods which previously required the CE marking.



# Transport & Logistics

The efficient distribution of our products is imperative to our customers. It is important that we achieve this whilst acting responsibly within the supply chain and minimising our carbon footprint.

## OUR GOAL

**Transport Impacts:**  
To recognise the social and environmental impacts of all transportation and the need to adopt appropriate strategies to reduce adverse impacts, including but not limited to i) Fuel usage / efficiency; ii) Normal emissions to air, land and water; iii) Accidental emissions to air, land and water; iv) Noise; v) Packaging.

## Distribution Network

As a UK manufacturer, Polyflor distributes product from its central distribution centre in the North-West of England through a network of distributors throughout the UK and around the world – responsible for regional and local delivery. This model ensures efficiency through the transportation of full, bulk loads.

## Transportation

Polyflor operates its own transport fleet in the UK which is frequently maintained and updated to ensure the most fuel-efficient vehicles are used. As such, all Polyflor HGVs have modern Euro VI engines. In addition to improving the HGV fleet, further reductions of the fleet's environmental impact are achievable through driver efficiencies, using the shortest routes possible and increasing bulk loading and backhauling volumes. Alternative transport methodologies and technology are constantly reviewed.

## 2023 Overview

Polyflor continued to perform well in relation to logistical operations and will continue to do so in line with ongoing BES 6001 and ISO 14001 environmental objectives. These objectives are reinforced within UK Transport Planning – all personnel within the department are conversant with SEMP 3, Schedule of Requirements for Transport Procedures and the Reduction of Transport Impacts.

## Monitoring our Drivers

The telematics function within the Polyflor HGV fleet monitored and assessed vehicle and driver efficiencies. As part of this function, driver CPC Training and MAN Driver Training were used to facilitate Polyflor's driver assessment process. In 2023 there were 25 drivers, with 2 being dedicated Driver Trainers to increase and facilitate efficient driving. An overall KPI 'B Rating' on the MAN KPI system was achieved, which was an improvement on 2022's average 'C Rating'.

## DID YOU KNOW?



Based on the new emissions levels, it would take over thirty Euro VI engines to create the same NOx levels as one Euro 0 engine from 1993.



## Monitoring our Fleet & Logistics

Recent changes to the telematics reporting criteria were implemented to improve miles per gallon. Additionally, all Polyflor fleet have Euro VI engines, increasing MPG figures and further reducing carbon emissions.

Global supply chain issues continued through 2023, resulting in additional deliveries to UK customers with bulk load orders decreasing by 16% on the previous year. Therefore, the 19 vehicles in Polyflor's fleet collectively travelled 1,704,079 kilometres, a 3% increase compared to 2022.

However, despite the increased distance travelled, this was a 1% decrease on fuel, using 445,624 litres. This produced 1,185 tonnes of carbon emissions, which was also a decrease of 1% against 2022, or 9% compared to 2019. In fact, carbon emissions per mile decreased by 3% from 1.16 kgs to 1.12 kgs. As previously touched upon, improved driver efficiencies were the major contributing factor for this.

In 2023, and in line with our objective 'Maximise vehicle usage on return journeys', Polyflor's backhaul operations removed 383 unnecessary HGV journeys from the UK's road network (a 5% increase), which made additional CO2e savings of 35,677 kgs.

## GOOD TO KNOW!



A benefit of vinyl flooring being much lighter than other flooring materials produces a positive outcome in transit, reducing fuel consumption.



**62,420 kgs**  
or 62 tonnes of CO2e saved over the last 2 years due to backhauling



## STEP 5 Installation

### Sustainable Fit

Polyflor is reducing environmental impacts associated with installation through healthier adhesives, adhesive-free installation and promoting correct installation for a long-lasting, well performing vinyl floor covering.



**8**

Adhesive free flooring ranges can be reused or recycled



Training Academy ensuring best practice



**1,987**

Floor fitters and industry associates trained in the last 13 years

# Sustainable Planning & Installation

Polyflor continues to develop and improve ways to plan and install flooring ranges, with sustainability in mind.

## OUR GOAL

### Contribution to the Built Environment:

To develop loose lay products with reduced environmental impact for ease of recycling.

## Planning

Effective planning using Polyflor's range of BIM objects enables cost efficiencies throughout the design process:

It allows the specifier to review how different variables affect the function and performance of the product, facilitating a more-informed product selection, which can improve the installation and in-use phases, and economic sustainability.

While accelerating project delivery timings and reducing order errors, it increases the accuracy of specifications and critically minimises wastage.

## Installation

Polyflor has increased the use of sustainable adhesives and adhesive-free vinyl flooring. In fact, Polyflor launched a 'Fast Track' collection, comprising adhesive-free loose-lay or click ranges including Camaro Loc, Camaro Rigid Core, Expona EnCore Rigid Loc, Expona Simplay, Secura, Architex, Designatex and Polysafe QuickLay. The Fast Track collection does not require adhesives, providing additional environmental benefits, such as the embedded carbon footprint and further reductions in VOC emissions. Furthermore, the loose-lay ranges (excluding the click ranges – Camaro Loc, Camaro Rigid Core and EnCore Rigid Loc) are reusable as well as recyclable.

With the use of solvent free adhesives across our collection of floor coverings, Polyflor is continually in collaboration with the recommended adhesive manufacturers which offer benefits on the health of the installer, the environment and life cycle of the product. Many of Polyflor's approved adhesives meet the EC1, EC1 plus and/or Blue Angel certification, this ensures they meet the requirements of LEED and BREEAM.

## Training & Best Practice

Polyflor currently offers various training courses at our purpose-built Training Academy in Manchester. This is aimed at improving the skill and knowledge sets of installers – this in turn increases the longevity of the floor covering as a quality installation is imperative to ensuring a Polyflor product achieves its potential 30-year life. A correct installation facilitates a longer life for the product, reducing repair or renewal costs. More information is on the next page.

Additionally, the Polyflor Technical Information Manual is available on the Polyflor website which relates to BS8203, the installation of resilient floor coverings code of practice. This is a guide on how to install the floor covering to appropriate standards, aimed at enhancing the knowledge of installers, architects etc.

Visit [www.polyflor.com/technical](http://www.polyflor.com/technical) for more information.



# Polyflor Training Academy

Ensuring that we go one step further as a responsible company, it is important that we go beyond producing best quality product and add to our value chain by encouraging best practice throughout the flooring sector also.

Correct installation is crucial to the performance and longevity of Polyflor vinyl flooring. This has significant value economically and sustainably.

The established Training Academy, based at Polyflor Head Office, Manchester, contributes positively to the value chain. The Polyflor Training Academy continued to deliver high quality 1-4 day training courses throughout 2023 at its fantastic purpose-built facility.

*“Very informative course; learnt some new things, very worthwhile coming. I also discovered new tools to use in my daily work.”*

**Stephen Parker, A.R Carpets & Flooring**

The comprehensive training courses from Polyflor, are suited to most skill levels, whether a floor layer with previous experience of laying resilient flooring or an apprentice just starting out in the trade. The courses are intended to develop and refresh previous skills, and they prepare for everyday scenarios and offer a comprehensive insight into laying the perfect vinyl floor; preparing sub-floors; conditioning; using the correct adhesives to setting-out and fitting.

*“Very worthwhile and would recommend it to other fitters.”*

**Adrian Price, MG Carpets**

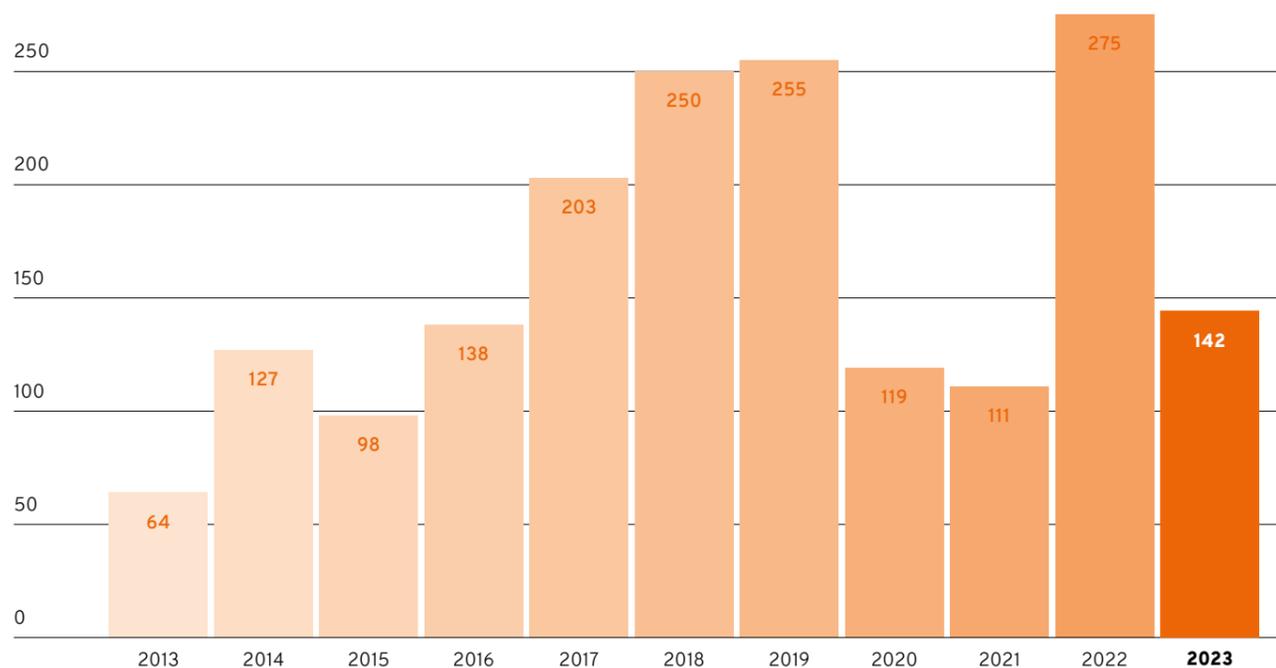
## Summary 2023

Throughout 2023 Polyflor ran 21 courses – 22% less than 2022, but more than 2021 and 2020. Of which, 19 were on site courses and 2 were off site. In total, 142 delegates attended – 48% less than 2022 but 28% greater than 2021. Of the 19 on-site training courses held at Whitefield’s Training Academy, 129 delegates were trained, inclusive of 6 Polyflor employees. To increase flexibility and accessibility, 13 delegates were trained off-site.

*“Excellent course, best by far! Great trainer and learnt a lot of tips.”*

**Scott Cyster, Sanctuary Housing**

## Polyflor Training Academy Attendee Figures



### DID YOU KNOW?



Over the last 13 years Polyflor has provided valuable floor fitting training to 1,987 industry associates.



## STEP 6 In Use

### Zero Compromise

Accounting for a significant part of our flooring's environmental impact, the in use phase is an important element of the life cycle, given the 30-year lifespan of most of our products. Low maintenance and low VOC, our floor coverings are fit for purpose without compromising on the environment.



**Polyflor PUR**  
= Less energy and chemicals to clean using

**55%**  
Less water



**30 Year**  
Life on many ranges. Extremely durable with fewer replacements



**Lifetime**  
Polish free



**Low VOC**  
Indoor Air Comfort Gold  
FloorScore®  
AGB  
Afsset  
Finnish M1



Up to  
**60%**  
Maintenance cost savings

# Fit for Purpose

Choosing a quality, fully functional and beautiful floor covering which will stand the test of time is important. Polyflor delivers on this whilst also achieving zero compromise on the environment. A truly fit for purpose flooring, meeting all expectations.

## Zero Compromise

Accounting for a significant proportion of a resilient floor covering's environmental impact, the in-use phase is important within a product's life cycle, given the potential 30-year plus lifespan. Therefore, all aspects of this phase are considered, ensuring product is not only timelessly stylish but designed with the latest standards and requirements in mind. Polyflor flooring is functional and practical with low maintenance assured, whilst also safe for human and environmental health with low VOC a prerequisite.

- **Positive environmental credentials and benefits are built into our flooring.**
- **Other elements, whether underfoot safety, hygiene, ease of maintenance, durability or aesthetics work hand in glove with the environmental performance of the product.**

## Use Areas

The majority of Polyflor 2.0mm floor coverings obtain the highest Use Area Classification of 23/34/43 to EN 685, making them suitable for heavy domestic, very heavy commercial and heavy or light industrial use. In comparison, a greater thickness is required for linoleum to achieve a similar recommendation, but even at 2.5mm thick it is not recommended for class 43 areas. Under the Agrément (UPEC) system only 3.2mm thick linoleum had the same wearability as most of the accredited Polyflor products.

Another of vinyl's strengths is its much greater resistance to water, whereas many alternative materials are not suitable for use in areas where there can be the extensive contact with water. Vinyl is impervious and can be thermally welded with the joints fused together and is inherently more flexible and easily self-cured. This flexibility also means that vinyl has much better recovery from indentation.

## Longevity

As well as quality product, proper installation and effective maintenance are key elements of the product's lifecycle and maximising longevity: Polyflor vinyl floor coverings are exceptionally durable with a lifespan of 30 years or more if these are applied.

For that reason, Polyflor is keen to constantly develop and improve products' lifespans where possible and therefore offers Installation and Floor Cleaning & Maintenance Courses to educate and promote correct processes, helping customers get the most out of their flooring for longer.

**GOOD TO KNOW!**



No need to compromise on performance, choice or budget whilst using products with the lowest environmental impact.



## Safety Performance

Health & safety within the environment is an important factor to consider when selecting a floor covering, particularly with key concerns surrounding slips and trips as well as fire performance.

### Sustainable Slip Resistance

Polyflor safety flooring can be used in a variety of internal use areas and this also includes locations where hazards are potentially much higher, for instance in kitchens, stairwells and showers where slipping is likely if incorrect flooring is specified and where the consequences of doing so are the most dangerous.

Polysafe flooring is fully compliant with both Health and Safety Executive (HSE) and UK Slip Group Guidelines, offering sustainable wet slip resistance. Using the portable Pendulum Test machine which is advocated by the HSE to measure slip resistance, Polysafe ranges all meet a value in the wet of at least 36+, thereby achieving a low slip potential. The Pendulum is the accepted test to denote a floor's classification as a safety floor rather than relying purely on the ex-factory R values offered by the Ramp Test. Meeting the European standard for particle-based safety flooring – EN 13845, all Polysafe ranges pass the 50,000 cycles abrasion test to the standard, ensuring longevity of slip resistant performance. Ranges are also independently assessed by the British Board of Agrément to provide an assurance of performance for the guaranteed life.

The use of Polysafe flooring helps to reduce the potential for accidents and injuries due to its slip resistance properties. The particles contained within the full performance layer of the product create foot to floor contact in wet conditions and are made up of a combination of aggregates including quartz, aluminium oxide, silicon carbide and recycled glass. Polysafe's distinctive surface emboss also combines with these particles to provide the required roughness to ensure continual friction in wet areas. All recent additions to the Polysafe portfolio meet all the usual Polysafe credentials but include particles that are carborundum-free and virtually invisible once installed to ensure both a high clarity and safe surface.

### Fire Performance

Vinyl is engineered to provide the best fire performance characteristics of all resilient flooring materials. Vinyl flooring is slow to ignite in a fire compared to other materials – the chlorine content makes it flame retardant. In fact, a fire which is large enough to ignite vinyl would have already produced fatal levels of carbon monoxide from other burning materials before any danger from burning vinyl flooring.

Regarding fire safety classification, vinyl flooring typically outperforms linoleum, achieving class Bfl to EN 13501-1 (8kw/m or greater) with linoleum achieving class Cfl to EN 13501-1 (4.5kw/m or greater).

## Slips and Trips

An estimated 561,000 workers sustained a non-fatal injury at work in Great Britain, equivalent to a rate of 1,750 injuries per 100,000 workers (1.8%). Around a quarter of these injuries resulted in over-7-days absence from work.

Source: Labour Force Survey, 2022/23

- Slips, trips and falls are the most common cause of non-fatal injuries in the UK workplace, accounting for 32% of all accidents each year.
- Slips, trips and falls accounted for 24% of over-7-day absences, the second highest after handling, lifting and carrying.

Source: RIDDOR, 2022/23

# Low Maintenance

Ease of maintenance is an important factor when selecting a floor covering. End users want to keep their flooring in excellent condition and enhance longevity, but also benefit from a cost-effective and simple cleaning regime.

## Simply Market Leading Low Maintenance

A poor maintenance regime damages aesthetics, impairs performance, shortens the durability and creates hygiene problems in critical areas. The in-use phase of the resilient flooring life cycle accounts for a significant proportion of its environmental impact, given Polyflor floor covering's potential 30-year life span. Therefore, this can be greatly affected.

In recognition of this, Polyflor provides low maintenance options throughout the product portfolio. We use a straightforward approach to avoid confusing our customers: Our easy to clean PU and PUR ranges ensure the use of polish, water, strippers and chemical cleansers are significantly reduced, thus contributing to significant maintenance cost savings for the life of the floor. Our PUR message is as simple as the maintenance regime.

All new ranges are launched with market leading maintenance benefits built in and existing ranges have had these benefits added, where not originally in place. Continuously improving technologies enables flooring to raise the standard in terms of durability, maintenance and performance, sought by the customer.

The non-PUR (open surface) product required a wearing surface, achieved by applying two or three coats of emulsion polish on the surface to enable the same cleaning regime as a PUR treated product. The polish, therefore, creates a smooth surface that doesn't collect dirt easily, akin to a PUR. Traditional polish application in a busy

environment, such as a hospital, would require the polish to be stripped off and reapplied three to four times a year. In doing so, a polish stripper (chemical alkaline stripper) must be utilised with plenty of water for rinsing the ensuing residues off the surface ahead of applying new polish. PUR does not require polish and therefore uses over half the amount of water.

Daily and periodic maintenance also use less water and chemicals; if PUR floors are kept clean as we recommend, then daily cleaning is typically a damp (not wet) mop using a (chemically neutral) cleaning agent.

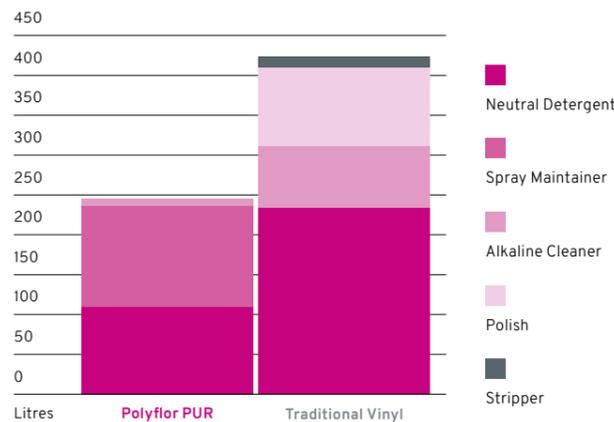
*"Polyflor products are extremely durable; surface scuffs and scratches can be removed, and the original appearance of the product restored without ergonomic strain or the use of any chemicals. Flooring can be repaired easily and simply by cutting in and seam welding to achieve a seamless finish."*

**John Buchanan**  
International Technical Manager, Polyflor Ltd

## Polish Free for Life

### CHEMICAL USAGE

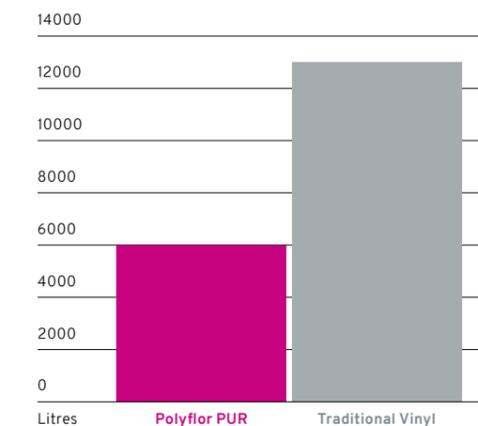
1 year 1000m<sup>2</sup> Polyflor PUR vs Traditional Vinyl (Litres)



## 55% Less Water

### WATER USAGE

1 year 1000m<sup>2</sup> Polyflor PUR vs Traditional Vinyl (Litres)



## Creating Clean & Hygienic Environments

More than ever, it is crucial that our environments are clean and hygienic. Vinyl sheet flooring can be welded at the seams, forming an impervious base that facilitates ease of cleaning by eliminating gaps and cracks where dirt and bacteria can gather.

Polyflor flooring also stands up to the test, where much needed hand gel dispensers are housed. Polyflor homogeneous PUR, heterogeneous PUR, LVT PUR and Polysafe safety PUR ranges are compatible for use with the most-commonly used alco-based hand gels, some of which have a very high concentration of ethanol.

Discuss this further with our experienced Customer Technical Services Department by emailing [tech@polyflor.com](mailto:tech@polyflor.com).

## Floor Cleaning & Maintenance Course

Adding to the Value Chain, Polyflor continued its free, Floor Cleaning & Maintenance Course, aimed at facilities management staff and others in the healthcare, education, housing, retail and commercial sectors. The day-long course aims to educate how to get the best from a Polyflor vinyl floor covering by using the correct cleaning methods and products. Correct maintenance facilitates a longer life, reducing costs and frequency of purchasing new flooring.

## A Simple Approach to Market Leading Low Maintenance

### Our Low Maintenance Features

- PUR reinforcement is cross-linked and UV cured for superior cleaning benefits, enhanced protection and optimum appearance retention.
- Environmentally sustainable using less energy, polish, water and cleansing chemicals.
- Polyflor homogeneous PUR is polish free for life and Polysafe PUR should never be polished.
- Polysafe PUR achieves superior cleaning benefits and facilitates easier soil release, whilst enabling optimum appearance retention.
- Economically sustainable, with up to 60% maintenance cost savings over a 30-year life when compared to untreated vinyl flooring.\*

\*48% cost saving for smooth PUR ranges and 60% for Polysafe PUR ranges. Calculations based on tests carried out by the BCC. Cleaning operations of PUR product against a non-coated product were costed.

# Indoor Air Quality

The VOC emissions of our flooring ranges are all below the very strictly set, accepted levels. Products have been tested by independent laboratories with certificates available upon request.

For all developed countries, we have become the 'indoor generation', given that we spend on average 90% of our time indoors, whether it's home, school, work, leisure or travel. Indoor Air Quality (IAQ) is therefore an important consideration at specification. However, increased emphasis is now being made on major contributors such as poor ventilation, rather than building products such as flooring, which generally have insignificant VOC emissions. Furthermore, everyday products such as personal hygiene, DIY, cleaning, fly sprays and even air fresheners contribute to poor indoor air quality. 'Every Breath We Take: the lifelong impact of air pollution', a report by the Royal College of Physicians (RCP) and the Royal College of Paediatrics and Child Health (RCPCH), warns of the hidden dangers from such items.

Our flooring ranges have passed the most established and recognised international standards, but we continuously look to reformulate our ranges to ensure their VOC emissions are kept to the lowest levels achievable. Polyflor ranges have undergone many independent and rigorous VOC tests and have approval certification for the following: AGB; Swedish B.P.D (FLEC test); Finland M1 test; Afsset A+ and FloorScore®.

The most stringent test method for floor coverings is 'Indoor Air Comfort' by Eurofins, the world-leading authority on VOC testing. Indoor Air Comfort is the most comprehensive and stringent test within the industry, worldwide, and tests for all known emissions, specific to flooring (rather than general tests for building materials, paints etc. which would contain different chemicals). Significantly, Polyflor products achieve Indoor Air Comfort Gold, which is the highest level

attainable. The most important performance measure for IACG is the maximum permitted total VOC, which is an incredibly low 160 micrograms per cubic metre, compared with 500 micrograms per cubic metre for GreenGuard certified or 220 for GreenGuard Gold.

Additionally, Polyflor products conform to health and safety standard EN 14041:2004 via an E1 Declaration, which confirms that formaldehyde is not used in any Polyflor vinyl products.

Polyflor vinyl is favoured for its superior 'cleanability' over other flooring products and is used in the strictest of hygiene zones throughout hospitals. An additional benefit of Polyflor's low maintenance PUR products is the minimised VOC emissions from reduced cleaning chemicals.

Along with positive VOC test results there is no evidence to suggest that vinyl flooring contributes to common allergies such as asthma or dust allergies. It is non-shedding, where most allergies are caused by airborne dust (clean room test certification for non-shedding is available on most ranges).

IAQ should be considered when selecting building products and for the reasons provided, Polyflor vinyl flooring makes a significant contribution towards creating indoor environments with very low VOC emissions: Low VOC emissions is a prerequisite of the WELL Building Standard™. Our certified products will also contribute towards the Health & Wellbeing (HEA 02) Credit on a BREEAM® project, the EQ Credit: Low Emitting Materials on a LEED® project and points on the IEQ-VOC section of a Green Star® project.

## Polyflor IAQ Benefits

- ✓ No negative contribution to indoor air quality.
- ✓ Passed all the most stringent international VOC emissions tests, including Indoor Air Comfort Gold, FloorScore®, M1 and Afsset.
- ✓ Less than 160 micrograms per cubic metre.
- ✓ E1 Declaration conformance to EN 14041:2004.
- ✓ Meets WELL Building Standard®.
- ✓ Contributes to BREEAM®, LEED®, and Green Star® projects.
- ✓ Reduced VOC emissions by low maintenance routine (less cleaning chemicals).
- ✓ Adhesive free ranges reduce emissions further.



**DID YOU KNOW?**

On average we spend 90% of our time indoors.

## CASE STUDY

# University of Mpumalanga

The fixtures and fittings within the University of Mpumalanga, in South Africa, were selected to ensure the spaces were bright and light with a carefully chosen palette of colours to match natural materials and the campus' broader aesthetic and natural surroundings. Silentflor was selected in Cool Concrete and used across the entire scheme, chosen for its aesthetic appeal, with the shade practically mirroring the mountainous landscape surrounding the campus, and its ability to minimise noise.

Location: South Africa  
Products: Silentflor  
Sector: Education

Ludwig Hansen Architects + Urban Designers, which designed the development, had previous experience of using Polyflor products and selected its Silentflor range for use within the facility.

A collection of heavy commercial sheet vinyl flooring with acoustic properties, Silentflor was selected in Cool Concrete and used across the entire scheme. It was chosen for its aesthetic appeal, with the shade practically mirroring the mountainous landscape surrounding the campus. The hard-wearing nature of vinyl could withstand the heavy student footfall expected within the facility, but also offered improved ease of maintenance in areas where spills were likely, compared to other materials. Additionally, Silentflor is 100% recyclable and has achieved Eurofins Indoor Air Comfort Gold Status, making it highly sought after in educational settings which are required to demonstrate their sustainability credentials.

Ludwig Hansen, founder of the architectural practice, added: "As well as the specific properties of the flooring, it was also important to ensure the product demonstrated true value and return on cost when compared to its competitors, as we were appointed to spend public money. Silentflor was a clear choice because of this and we're confident it's delivered on the brief."





## STEP 7 Closing the Loop

### Recycling

We have been recycling our post-production waste vinyl since the 1950s and now collect and recycle post-consumer waste vinyl too. Many of our floor coverings can be reused, but if not, they are all 100% recyclable through the Recofloor take back scheme or other initiatives and outlets.



**100%**  
Recyclable



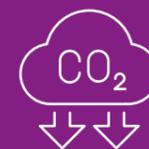
Polyflor is a  
cofounder of  
**Recofloor**



**6,920** =  
Tonnes of  
post-consumer  
waste vinyl collected  
since 2009



**323**  
Football pitches



Saving  
**8,118**  
Tonnes of CO<sub>2</sub>e



**2,119**  
Cars off the road

# Stewardship Commitment

A concern we all have is that plastic (and any other waste) should not be in our seas and oceans, this has a massive ecological impact and the UK, along with other developed nations, must set an example of best practice. Polyflor is committed to being part of the solution, not the problem.

## European Commitments

Since 2000, the European PVC industry has recycled 6.5 million tonnes of PVC, thus preventing the release of nearly 13 million tonnes of CO<sub>2</sub>e into the atmosphere.

## The Circular Economy Package

The Circular Economy Package has introduced new European regulation to recycle 70% of waste and to decrease landfill by targets of 30% and 50% in 2020 and 2025 respectively. It is expected that landfill bans for recyclable waste will be binding by 2025.

The resilient flooring industry in Europe is represented by the European Resilient Flooring Manufacturers' Institute (ERFMI), of which Polyflor is a member. For PVC alone, ERFMI members recycled more than 140,000 tonnes in 2022.

ERFMI is currently involved with several projects aligned with Circular Plastics Alliance principles, which are seeking solutions for legacy additives in vinyl flooring that present challenges for recycling post-consumer material. ERFMI's involvement includes contributing expertise to the EU project Circular Flooring, which is researching recycling end-of-life PVC floor coverings using the Fraunhofer CreaSolv® Process. The project aims to assess the technical and commercial feasibility of this recycling process for PVC floor coverings at an industrial scale.

Additionally, Revinylfloor is the circular economy platform for PVC flooring managed under the umbrella of ERFMI, which is working towards post-consumer technologies to tackle vinyl flooring waste. Revinylfloor has received co-funding from VinylPlus® to help develop a more circular economy for PVC flooring and pursue research in the identification, sorting and recycling of PVC floor coverings.

*"We and our members are very committed to working towards achieving a circular economy for our industry and that's one of the cornerstones of our roadmap. We are working with the other signatories from across the plastics value chain to reach the goals laid down in the Circular Plastics Alliance."*

**Jane Gardner**  
Managing Director, ERFMI



## Polyflor's Commitment

Polyflor is fully committed to the recycling of its post-production and its post-consumer waste, supporting voluntary industry-wide commitments. Polyflor is an active member of Recovinyl, a scheme which provides financial incentives to support the collection of PVC waste from the non-regulated PVC waste streams. Recovinyl is also an initiative of VinylPlus®, another European initiative of which Polyflor is a member. VinylPlus® is the new ten-year Voluntary Commitment of the European PVC industry, which looks to tackle all sustainability challenges for PVC. Each of the challenges is based on The Natural Step System, with step one focusing on Controlled-Loop Management. Key objectives for this stage include recycling 900,000 tonnes per year of PVC by 2025 and 1 million tonnes by 2030.

In a bid to address and tackle the waste problem within the construction industry, Polyflor tackled this head on by becoming a proud co-owner of Recofloor, the waste vinyl flooring recycling scheme which is available throughout the UK with operations in Australia, New Zealand and Iceland. By providing an accessible and efficient facility for waste vinyl to be reclaimed and recycled, Recofloor helps prevent post-consumer waste from going to landfill and contributes to Polyflor's value chain.

**Recycling for Polyflor is easy and something we have been doing since day one, back in the 1950s.**

Polyflor also uses recycled glass, which is post-consumer waste combined with the aggregates into many of the Polysafe ranges. In 2023 78 tonnes of recycled glass went into some Polysafe products, a 90% increase on 2022 – that's 156,000 wine bottles.

Polyflor will stay committed to recycling end of life vinyl through VinylPlus® and the Recofloor scheme, as well as other international schemes. We will also continue to invest significantly in the systems for collection, sorting, granulation and storage to ensure capacity and capability for dealing with the anticipated growth in the volumes of post-consumer waste we recycle. Naturally we will continue to recycle our own post-production waste vinyl, as we have done since the 1950s.

**DID YOU KNOW?**



78 Tonnes of recycled glass went into Polysafe products in 2023. That's the equivalent of 156,000 wine bottles.



# Recofloor

In line with Circular Economy principles, Polyflor has a take-back scheme which uses reverse logistics to recover and recycle its post-consumer waste vinyl flooring.

The Recofloor scheme significantly helps minimise the environmental impact of our products' life cycles and the industry's as a whole, not only through closing the loop and preventing landfill but also reducing CO2e emissions.

Over the last 14 years, Recofloor has been playing a valuable role in assisting floor fitters with efficiently recycling their waste vinyl flooring. Opportunities have been created for distributors to add value to their service by becoming drop-off sites for Recofloor. It has helped specifiers reach their sustainability objectives towards achieving zero avoidable waste, whilst also helping them work towards their carbon net zero goals.

## About Recofloor

- Polyflor is a cofounding and funding member of Recofloor, the industry's leading vinyl take-back scheme for recycling end of life post-consumer vinyl flooring in the UK.
- Polyflor invests a great deal into Recofloor and helps drive its success by continually promoting it and engaging with customers.
- Through Recofloor, Polyflor can recycle smooth (homogeneous, heterogeneous, LVT, loose lay) and safety installation offcuts, smooth uplifted flooring and old stock roll-ends and samples.
- This material is recovered and recycled into new flooring or other useful products such as traffic cones.
- Customers must register with the scheme and then request branded collection containers for their waste vinyl.
- Regardless of waste material volumes, there is an outlet accessible for everyone:
- **Small volumes** - Drop-off sites at distributors are available FOC.
- **Large volumes** - Collected on pallets directly from live projects on timed collections or collected from contractors' sites. There are collection fees but compared to the standard landfill cost of £98.60 per tonne (increasing to £126.15 in April 2024), these nominal fees can save up to 70%.

For more information go to [www.polyflor.com/sustainability](http://www.polyflor.com/sustainability)

*"At the construction site 8% of the material is assumed to be wasted."*

**BRE Global**

*"It's surprising how much waste can be generated. Sorting our installation waste is an important daily task at the warehouse; 12 fitters striving to make a difference to our environment. The Recofloor brand is a huge part of our business, which carries a lot of weight with larger building companies. For example, Skanska recognises our commitment to recycling as we can show them our Recofloor certificate as evidence that we are 100% committed to recycling our vinyl flooring waste."*

**Mark Purnell**  
Managing Director, Fantasy Flooring

## Recofloor's Journey

Since 2009 Recofloor has achieved a great deal and is now the industry leading facilitator for efficiently reclaiming vinyl flooring, with 443 members on board and 60 registered distributors nationwide, acting as drop-off sites for the scheme.

2010 was significant for the scheme and saw Recofloor winning the CIWM (Chartered Institute of Wastes Management) Award for Environmental Excellence in the category of SME Innovative Practice. Since then, Recofloor has won numerous awards including the prestigious Gold Award in the International Green Apple Environment Awards 2013, for Environmental Best Practice. Recofloor's 'Cost Calculator', was a great initiative and continues to help contractors calculate how much it would cost to send their waste to landfill and the savings they will generate by using Recofloor instead.

Volumes are consistently strong, with 6,920 tonnes having been collected since the scheme started in 2009. This volume equals 2,306,667m<sup>2</sup> or 57,667 x 20m rolls of Polyflor Palettone PUR floor covering - that's enough vinyl waste flooring to cover 323 football pitches. This has had a positive impact on carbon emissions too, saving 8,118 tonnes of CO2e - the same as taking 2,119 cars off the road.

Our customers are the true stars, who have embraced and supported this unique scheme. Distributors' involvement has contributed to Recofloor's success: By acting as drop-off sites for their customers, distributors have increased the accessibility of Recofloor making it even easier for contractors to dispose of their waste vinyl flooring and today, there are 60 drop-off sites nationwide. The drop-off sites have also facilitated Recofloor's collection and recycling process. Furthermore, CO2e emissions have been reduced by minimising needless drop-off and pick-up journeys.

## WHAT WE Take Back

- ✓ **Post Installation**  
Clean vinyl offcuts (safety and all smooth including lvt)
- ✓ **Old Stock Vinyl**  
roll-ends & samples (smooth or safety vinyl)
- ✓ **Smooth Uplifted Flooring**  
depending on condition and quality

Please Ensure material for collection is as **clean as possible**

## Recofloor Timeline 2009 - 2023

- 2009** Recofloor is co-founded by Polyflor
- 2010** Winners of the CIWM Award for Innovative Practice (SME)
- 2011** First year that more than 450 tonnes are collected in a year
- 2012** First annual Recofloor Awards Event  
BCE Award winner for Environmental Leadership
- 2013** Green Apple, Gold Award winner for Environmental Best Practice
- 2014** Recofloor reaches the milestone of 2000 tonnes collected  
Winners of M.E.N Environmental Awards
- 2015** Over 100 new members join Recofloor
- 2016** letsrecycle.com winners for Excellence in Recycling & Waste Management Awards
- 2017** Recofloor reaches the milestone of 3,000 tonnes collected
- 2018** Recofloor recycles record 570 tonnes in a year
- 2020** Recofloor reaches the milestone of 5,000 tonnes collected
- 2021** The 10th Recofloor Awards honour its dedicated members
- 2022** Recofloor reaches the milestone of 6,000 tonnes collected
- 2023** Saved over 8,100 tonnes of CO2e

## Recofloor Awards



**WINNER**

Let's Recycle Award - Excellence in Recycling & Waste Management 2016



**WINNER**

MEN (Manchester Evening News) Environmental Business of the Year Award 2014



**WINNER**

Gold International Green Apple Environment Awards 2013, for Environmental Best Practice



**WINNER**

BCE (Business Commitment to the Environment) Premier Award 2011

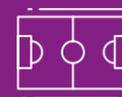


**WINNER**

CIWM (Chartered Institute of Wastes Management) Award for Environmental Excellence in the category of SME Innovative Practice, 2010



**6,920**  
Tonnes of post-consumer waste vinyl collected since 2009 =



**323**  
Football pitches



Saving **8,118**  
Tonnes of CO2e =



**2,119**  
Cars off the road

# What Happens to the Collected Material?

Returning clean offcuts via Recofloor is the best and most sustainable way of ensuring that they can be recycled, and the material gets another life.

The scrap material is either collected from distributors in the large bins, or we collect from a live site or contractor's premises in the bulk bags we provide. This material comes back to Polyflor for sorting and gets categorised accordingly.

The returned installation offcuts, loose lay uplift and roll ends or sample waste can be reprocessed and recycled back into new flooring, ensuring a 'circular' flow of materials. Generally, this contributes to around 25% of our floor coverings' content.

Uplifted smooth and any post-consumer vinyl flooring not suitable for recycling into new flooring can also be reprocessed and used again. This waste vinyl is recycled into downgraded products such as traffic

cones, traffic management products, fencing blocks and advertising sign bases where it is given a long and useful 'second life', stopping it going into landfill.

The uplifted waste goes to third parties, such as Oldham-based Heyside Plastics Ltd, where its two factories recycle 300 tonnes of waste vinyl and produce 300 tonnes of new products from that material per week - thousands of traffic management products, including traffic cone bases, speed bumps and fencing blocks are manufactured on a weekly basis.

8mm chips are extruded to form a 'dough' at a temperature of 200°C. This hot ball of black plastic is then weighed and compression-moulded on the tool to form one of the mentioned products.



*"The material arrives at our back door in Recofloor bulk bags and is shredded or granulated into 8mm chips. These are extruded, compression-moulded and formed into new products that leave through the front door. It's an end-to-end recycling and manufacturing process."*

**Matt Pryce**  
MD, Heyside Plastics Ltd.

# Recofloor in 2023

## 2023 Key Targets

- A collection forecast of 500 tonnes.
- Continue with delivery of the core activities including attend events and meetings when required.
- Maintain members' level of engagement by multi-touch communication, incentives and a fit for purpose collection service.
- Engage with main construction companies to raise awareness of Recofloor collections from projects where Polyflor has been specified.

*"The reduced disposal cost and the positive effect on the environment proved very appealing to the main contractor."*

*"We had 4 days to uplift and screed which was achievable with the prompt collection by Recofloor."*

**Tony Brown**  
Managing Director, FMI Contracts

*"The Recofloor service is very convenient for us, especially for contractors who want to drop off small amounts of flooring and it all helps to save money."*

**Nathan Campling**  
Director, Eden Flooring and Interiors

## 2023 Actual

475 tonnes in total were collected, missing our target by 25 tonnes and 1 tonne down on the previous year. However, economic factors were a major contributor with some businesses unfortunately closing. A positive aspect to the downturn was that less waste was generated from the outset, which is fantastic.

Of the 475 tonnes collected, Polyflor Recycled 54% of this, with 258 tonnes of the reclaimed vinyl waste going back into new Polyflor ranges (a 35% increase on 2022).

## Volume by Type of Site 2015-2023

Contractors - Volumes (231 tonnes) increased by nearly 12% when compared to 2022. This makes up the largest infeed for Recofloor with 49% of the total volume, plus an additional 2% for volumes coming from projects. 74 contractors participated in 2023 vs 70 in 2022.

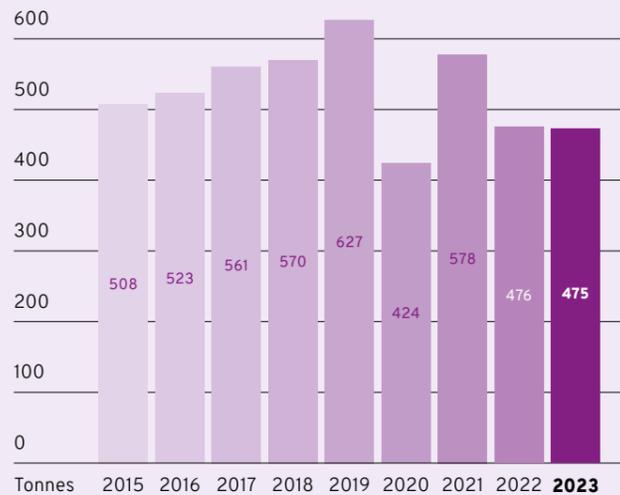
Distributors - Volumes (158 tonnes) increased by 10% against 2022. Tonnages returned from distributors represent 33% of the volumes collected. 47 distributors participated in 2023 vs 46 in 2022.

Projects - Sites increased, but volumes (9 tonnes) decreased by 50% compared to 2022, notwithstanding 19 tonnes came from dismantling a one-off COVID-19 rainbow hospital.

Other - Volumes (77 tonnes) decreased by 28%. However, this category does see fluctuations in tonnages.



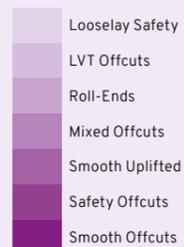
## Tonnes Collected 2015-2023



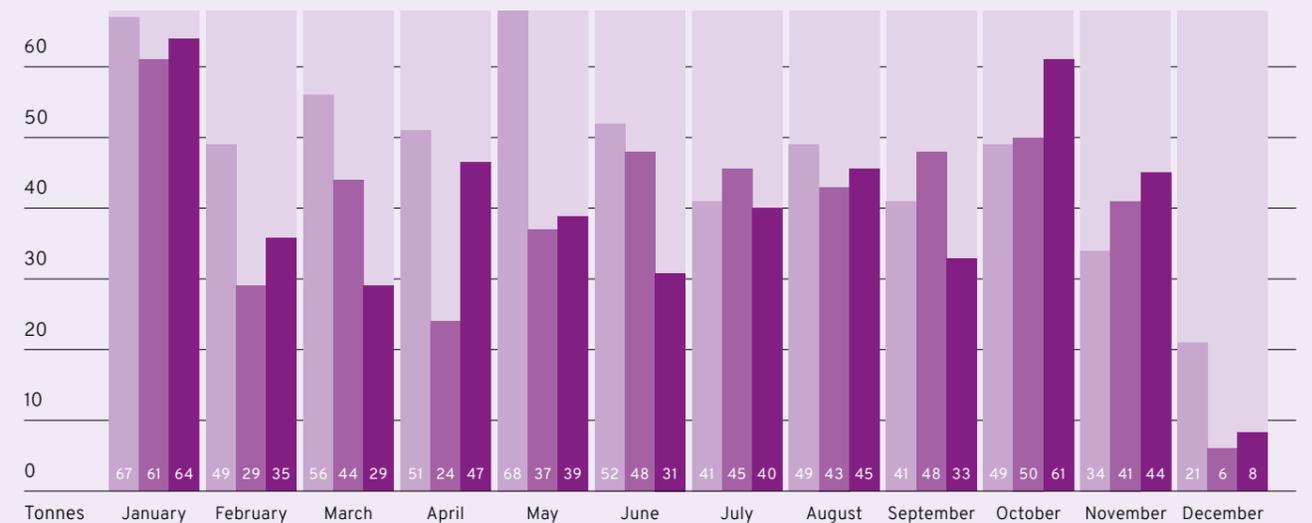
## Type of Material Collected 2015-2023



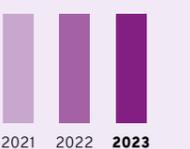
Post-installation offcuts remain the main type of material collected, representing 96% of the total volumes collected in 2023. The majority of the volumes for mixed offcuts come from distributors collections who participate as a drop-off location. In 2023, the collection sheet and the online order form were updated to record collected figures for LVT and Loose Lay.



## Tonnes Collected by Month 2021-2023



This shows the monthly volumes collected over the last three years. The best month in 2023 was January, which is typically a good month for volumes, year on year.



# 2023 KPI roundup

## Collections & Logistics

-  **475** tonnes of flooring collected.
-  **11%** increase on collections and/or deliveries.
-  **96%** of material collected was post-installation offcuts and roll-ends.
-  **82%** of volumes collected came from contractors and distributors.

## Members

-  **39** companies/fitters joined the scheme.
-  **443** members registered.

## Marketing

-  **31%** open rate on 26 e-news issued.
-  Recofloor Awards event across social media.
-  Presence on LinkedIn and Facebook increased significantly.

## 2024 Key Targets

- A forecast collection of 494 tonnes.
- Capture higher volumes of Polyflor's flooring specially from project sites.
- Improve segregation of materials at point of collection to facilitate closed loop recycling.
- Continue with delivery of the core activities.



**Recycling symbol** Vinyl flooring  
 Please place your vinyl flooring in this bag.  
 Each category of flooring MUST be collected in separate bags.

<input checked="" type="checkbox"/> Yes please	<input type="checkbox"/> No thanks
Post-installation, clean vinyl off-cuts	General waste and rubble
Safety flooring off-cuts	Other flooring, including laminate, carpet and linoleum or flooring with jute/fabric backing
Old stock vinyl roll-ends (either smooth or safety)	Cushion flooring
Smooth uplifted flooring - depending on condition and quality - contact Axion (0161 355 7618) to discuss	Wood
	Blades
	Asbestos

**For more information:**  
 0161 355 7618

**Recofloor**  
 Vinyl Take-Back Scheme

**Recofloor**  
**OFFCUTS ONLY**

Collection and information: 0161 355 7618

# Why Take Part?

Recycling PVC flooring through Recofloor is estimated to save 1.17 tonnes of CO2e for every tonne of flooring recycled.

## Why Take Part?

- The drop-off sites are free of charge. For non-timed collections and timed collections from live projects there are nominal fees of around **£30** and **£60** per tonne respectively, which could save our members up to **70%** by recycling through Recofloor, rather than landfilling (costing **£98.60** per tonne or **£126.15** from April 2024).
- Recofloor ties in with site waste management requirements
- Certificates of commitment are awarded to impress and gain new contracts.
- Recofloor Awards – Gold, Silver and Bronze certificates are issued to members who have significantly recycled, as well as awards for numerous categories such as ‘Distributor of the Year’; ‘Contractor of the Year’ and ‘Construction Project of the Year’.
- Customers are keen to see their waste flooring recycled.
- Recofloor can be specified as an outlet for vinyl waste in tenders.
- Could help achieve extra points on BREEAM & LEED assessments.
- Recycling PVC flooring through Recofloor is estimated to save **1.17** tonnes of CO2e for every tonne of flooring recycled.

*“Recofloor has definitely had a direct influence on my company securing a lot of contracts with local authorities and NHS Trusts who are also looking to further their green credentials with their sustainability targets.”*

*“Recofloor is an extension of our team, helping us to deliver a quality service to our clients. All our employees are fully briefed on Recofloor, what it means to both them and us and what we’re trying to achieve. We have regular Toolbox Talks to discuss different issues, one of which being the Recofloor scheme. All new starters on their induction are fully briefed on what it is, how we do it and how we recycle.”*

*“In this industry, it’s important to have integrity and you can’t demonstrate that much more than in helping to save the planet.”*

**Anthony Francis**  
Managing Director, Mayfield Floors.





# 2023 Recofloor Awards

For the 12th year running, the annual awards rewarded members for their hard work and efforts in recycling vinyl waste flooring throughout 2022.



**PROJECT OF THE YEAR**

*"We have been a big supporter of the scheme and we proudly specify Recofloor on our projects for collection of Altro and Polyflor flooring."*

*The service is easy, efficient and saves costs, plus it helps my clients to meet zero waste targets and promote the use of green and sustainable schemes."*

**Andrew Stevens,**  
All Floors Cornwall



**RECOFLOOR CHAMPION**

*"Our involvement with Recofloor helps us to fulfil our commitment to the environment and our passion for recycling. We promote the scheme within the company, so our employees understand the importance of the returns system and how it operates to avoid contamination. We also mention Recofloor to our customers, so they know why and how we recycle our safety flooring offcuts. This has definitely helped us gain trust and retain existing customers, which is a huge part of how we work."*

**Stephen Scriven,** Senior Partner,  
Locke & Eastwood



**BEST NEWCOMER**

*"Wanting to reduce our environmental impact and improve our work practice we joined Recofloor in 2021. Benefits of promoting the scheme have been a significant factor in securing major projects in addition to helping us win other industry awards. Our efforts to maximise recycling have significantly reduced waste sent to landfill and we are committed to becoming a more sustainable business."*

**Rowan Acomb,** Contracts Manager,  
Geoff Acomb & Sons Ltd



**CONTRACTOR OF THE YEAR**

*"We have been using the Recofloor scheme for several years on our projects in private hospitals and care homes in and around the Worcestershire, Herefordshire, Gloucestershire and Warwickshire areas. Partnering with Recofloor has been very successful. Not only has it reduced our skip waste and helped us save money, but it has also boosted our green credentials which is something our customers like to see. Working with Recofloor has encouraged us to become more sustainable in other areas too, so we now recycle all of our cardboard and plastics."*

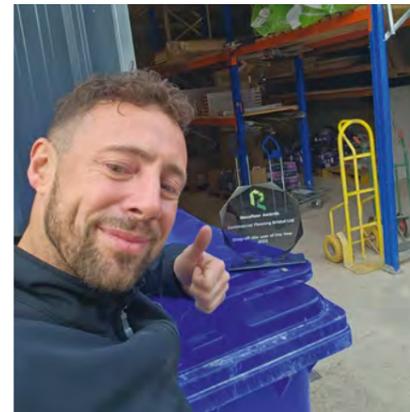
**Ben Hopewell,** Contract Manager,  
County Contract Flooring



**DISTRIBUTOR OF THE YEAR**

*"The Recofloor membership is fully aligned to our own sustainability goals. We showcase the scheme on our new website, on our social media channels, and in our marketing material. In 2022 we achieved FORS Silver accreditation and in 2023 we retained that for a second year. We also achieved carbon neutral status under the Carbon Neutral Britain programme in March 2023. We are continually setting new goals for the business and working with professional bodies to monitor our performance. Without doubt winning Recofloor Distributor of the Year is an integral element of our carbon-neutral journey and a major part of our exciting 2023 sustainability plans!"*

**Reuben Gibson,** Sales Director, SASGO Ltd



**DROP-OFF SITE USER OF THE YEAR**

*"Since proudly winning Recofloor's Highly Commended Drop-off site user of the Year and Recofloor Champion awards last year, my company has gone from strength to strength!"*

*"Now I have my own premises where I consolidate my waste vinyl before dropping it at my local distributor, 3D Flooring Ltd in Bristol. The Recofloor scheme has helped my company grow, and telling my customers how we recycle has been very rewarding."*

**Timothy Brown,**  
Commercial Flooring Bristol Ltd



**1ST PLACE GREATEST IMPROVER**

*"We are proud and delighted to be awarded the 1st Place, Greatest Improver, Recofloor Award for 2023. Continual improvement in how we manage and control our waste and energy use is a core environmental objective. Being recognised for our continued efforts to help reduce landfill waste, from our activities, is a very proud achievement for us. We continually aim to spread a positive culture of environmental awareness in our workplace; the Recofloor recycling bags are visually prominent in our Warehouse and help us to deliver, to our workforce, the message to sort and segregate all waste we produce. Thank you, to Recofloor, for the hugely positive and valuable service provided by the take-back scheme."*

**Marc Cheverton,** Director, Craftsman Flooring Ltd



**2ND PLACE GREATEST IMPROVER**

*"Looking to improve sustainability, we joined Recofloor in 2021. The Recofloor bins have been a great initiative with helping foot traffic come to our warehouse on a daily basis. The Recofloor bins are widely popular helping us and our clients recycle waste vinyl flooring, as well as reducing their costs as they no longer have to pay for disposal. It improves their company's sustainability too!"*

**William Courtney,** Managing Director,  
Courtney Flooring Supplies

## CASE STUDY

# Baird Family Hospital

Veitchi Flooring is one of the UK's largest flooring contractors, working on projects of all types nationwide. The firm has a strong commitment to improving sustainability in the industry. By using Recofloor's on-site collection service for NHS Grampian's new Baird Family Hospital and Anchor Centre, Veitchi Flooring is set to save around 2,300m<sup>2</sup> of vinyl offcuts from landfill.

Project: Baird Family Hospital  
Location: Aberdeen, UK  
SQM: 2,300m<sup>2</sup> of flooring saved from Landfill

Veitchi Flooring is one of the UK's largest flooring contractors, working on projects of all types nationwide. The firm has a strong commitment to improving sustainability in the industry.

On being awarded the flooring contract for the project (located at Aberdeen Royal Infirmary), Veitchi recognised that offcut disposal would present a major environmental challenge. With 23,000 m<sup>2</sup> of Polyflor vinyl to be laid, the typical 10% expectation for offcuts meant a likely project wastage of 2,300 m<sup>2</sup> - an area similar to the size of 10 tennis courts.

Aware that vinyl is easily recyclable and having previously used Recofloor for collections of material from their own premises, Veitchi contacted the Recofloor team. It soon became clear that Recofloor's straightforward on-site collection and recycling service was the obvious solution.

Main contractor Graham Construction immediately bought into the idea, while the green approach fitted perfectly with NHS Grampian's Plan for the Future.

The first step was to agree where the Recofloor collection bins should be placed. Veitchi have a 'good housekeeping' ethos, so it was essential to

ensure fitters could dispose of material easily as work progressed. Thanks to proactive support from Graham, a location plan was quickly agreed. The plan includes using telescopic forklifts to lift the bins to upper external levels, from where the bins can be wheeled into the building as needed.

Work is now well underway, and the fitters have been able to slot the collection process seamlessly into their daily routine. Three bin changeovers have taken place so far, booked and paid for via Recofloor's simple online system.

A feature that has proved particularly useful is the fact that the bins are lockable. This gives Veitchi's team full control of who uses the bins and what goes in them, preventing cross contamination.

All the vinyl collected is being taken back to Polyflor's UK plant for sorting. It will then either be recycled into new Polyflor flooring or sent to a UK recycler for the production of traffic cones. So, in addition to diverting the waste from landfill, Veitchi is also ensuring precious raw materials are re-used and helping reduce the project's carbon footprint by around 8 tonnes.

As an added bonus, the cost of the Recofloor collections is significantly less than that of landfill disposal or skips, with costs for the 1,100lt metal Recofloor bins set at £17.50 per bin.



*"The construction industry is known as one of the worst for waste production. Here at Veitchi, we want to play our part in driving change and have introduced a variety of green initiatives. Recycling vinyl is a no-brainer, and the Recofloor scheme makes it simple. The Recofloor team explained the collection service clearly, and the guys find the process extremely easy to use. They are also happy to be playing their part in recycling on the site. We will definitely be using Recofloor's on-site collection service for other large projects in future!"*

**Ed Murison**  
Contracts Manager, Veitchi Flooring



*"Construction waste reduction and the circular economy are key strands in GRAHAM's environmental mission. Building on existing successes in reducing waste to landfill, we've set a target of a 50% reduction in construction waste by 2030. Veitchi's use of the Recofloor vinyl take back scheme is a great example of how supply chain support can help us reach that goal. And - importantly - our site team report smooth on-the-ground processes. Clearly labelled, lockable bins meant that contamination was easily avoided, and the impressive collections turnaround time made the scheme easy to work with."*

**Fiona Walker**  
Environmental Advisor, GRAHAM Construction



## CASE STUDY

# STI Poynton

Bramhall Flooring was initially engaged to replace the existing flooring with 1,400 sqm of Polyflor SD antistatic vinyl in 5100 silver grey, at the electronics manufacturing site in Cheshire.

Project: STI Poynton  
Location: Cheshire, UK  
Products: Polyflor SD  
SQM: 1,400m<sup>2</sup>

The contractor demonstrated the ease of implementing Recofloor to collect, return and recycle material from STI Poynton by placing large Recofloor bulk bags on site to collect all the uplifted vinyl with less than 3mm of adhesive for meeting Recofloor Specifications. The installation offcuts from the new vinyl were also bagged separately and collected from site for recycling.

Unfortunately, within two months of the project's completion the whole building was left under a foot of water after a nearby river burst its banks. Despite being cleaned, the new vinyl had to be replaced due to concerns about possible water damage underneath.

Bramhall Flooring returned to replace the floor and a turbostripper was used to uplift the previously installed flooring. Again, Recofloor was deployed and used on site.

In total, around 18 pallets (approximately 6 tonnes) of waste Polyflor vinyl flooring were recycled from both project phases.

All recycled waste vinyl goes back into new products – including flooring. Operating across the UK and Ireland, the scheme collects post-installation flooring and offcuts from a wide variety of projects in diverse sectors.



*“We totally buy into Recofloor and it was easy to use on both phases of this project. We rang up, asked for the bags and while we brought some back to our premises, most were collected from site as the project continued.”*

*“We believe that recycling helps the environment and doesn't contribute to overloaded landfill sites. Using Recofloor also saves us money on skips. We have been asked several times to provide evidence that we recycle as this helps clients with their BREEAM ratings – and Recofloor membership helps us to do this.”*

**Julian Normie**  
Managing Director, Bramhall Flooring

## International Schemes

At present, our collections predominantly come from within the UK where transport to our factory is straightforward, using the same delivery vehicles as they return to site. In international markets there is progress in recycling, even where distances are large, and logistics of any recycling operation are more complex. National legislation and local attitudes also play a major part in the implementation and success of recycling.

### Central Europe

In Germany, the AgPR (Arbeitsgemeinschaft PVC-Bodenbelag) vinyl recycling facility has been in use for 30 years and collects post-consumer floor covering waste in Austria, France, Germany and Switzerland. From this waste, AgPR produces a finely ground powder, which is used to produce new PVC construction products. If suitable it is sent to AgPR shareholders, including Polyflor, one of its four shareholders. [www.agpr.de](http://www.agpr.de)

### France

The French EPR - Extended Producer Responsibility (REP) commenced in May 2023, thus replacing the PVC Next initiative for organising collections and recycling.

As stated in L541-10 article of the French Environment Code: ‘Producers shall fulfil their obligation by collectively setting up approved Producers Responsibility Organisation (PRO), whose governance they shall ensure and to which they shall transfer their obligation and pay a financial contribution in return.’

Therefore, as a manufacturer, we have a responsibility to contribute financially towards this programme to prevent waste and increase circularity. We chose Valobat as our eco-organisation partner, which is one of three to have been certified. The eco-contribution cost is 29.76€ per tonne from May 2024.

### Scandinavia

A long history in Scandinavia of recycling, assisted by legislation to ensure waste is segregated on site, means there is a higher volume of post installation waste. In Norway and Sweden, Polyflor uses established schemes, to collect and recover vinyl waste from site. This material can be delivered to Polyflor on return transport for recycling, but typically (and more practically) the waste is sent to other local vinyl flooring manufacturers for them to recycle into new flooring. In Germany the AgPR (Arbeitsgemeinschaft PVC-Bodenbelag) - [www.agpr.de](http://www.agpr.de) - vinyl recycling facility has been in use for a number of years, offering an outlet for post installation vinyl waste for many manufacturers and contractors. This waste is then supplied to various vinyl flooring manufacturers in Europe, including Polyflor.

### North America

There are over 100 vinyl recyclers in the U.S. and Canada. The Vinyl Institute's website provides a recycling directory that identifies recyclers by state and province. Polyflor vinyl can be recycled through many of these channels. Go to [www.vinylinfo.org/recycling-directory](http://www.vinylinfo.org/recycling-directory) for more information.

### South Africa

Polyflor South Africa's initiative, the Polyflor Recycling Vinyl Flooring scheme, continued to promote and offer recycling outlets for Polyflor waste vinyl.

Polyflor SA will look to develop its scheme, particularly with new collaborations and provide contractors with specially branded bags for them to place their offcuts in and return to the company's head office, where the waste will be weighed and recorded before it is collected by recyclers.

### Recofloor Australia & New Zealand

Australia and New Zealand continue to use Recofloor bins made from recyclable material, which can be reused to collect further waste vinyl flooring or can be recycled. The bins can be sent out to customers to their place of business and once the bins are full, they are collected. Alternatively, waste vinyl flooring can be taken to one of the 5 drop-off sites in Australia and 9 drop-off sites in New Zealand.

# Environmental Assessments

PRODUCT ASSESSMENTS 94

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# Product Assessments



## GOOD TO KNOW!



LCAs and EPDs are important for greater transparency, reduced carbon footprint and achieving client sustainability targets. Polyflor has used LCA on its products since 2005.

Environmental assessments or ‘Green Labels’ legitimately help specifiers make informed decisions on the environmental profiles of construction products. Environmental Product Declarations are the next step, creating ONE worldwide harmonised standard for reporting of environmental performance.

EPDs provide transparent information about Polyflor products and their impact on the environment, based on the following 7 Environmental Impact Indicators:

- Global Warming Potential (GWP)
- Ozone Depletion Potential (ODP)
- Acidification Potential (AP)
- Eutrophication Potential (EP)
- Formation of Potential of Tropospheric Ozone (POCP)
- Abiotic Depletion Potential of non-fossil fuels (ADP)
- Abiotic Depletion Potential of fossil resources (ADP)

## EPD benefits

A benefit of specifying a product with an EPD is that it supports the environmental goals of the stakeholders from design to use, but importantly, the construction or retrofit projects including SKA Ratings, Green Star and HQE. Specifically, extra points can be gained on BREEAM and LEED assessments:

- One bonus ‘uplift’ point can be awarded for the use of one of our ranges where a 3rd party verified EN 15804 (ISO 14025) compliant EPD is available.
- Polyflor ranges can contribute to the LEED v4 score through specific environmental product declarations (EPD), which can provide 1 point; or generic EPDs which may contribute 0.5 points.

## GOOD TO KNOW!



- ✓ EPDs communicate verifiable, accurate, non-misleading environmental information for products and their applications, expressed in information modules which allow easy organisation and expression of data throughout the life cycle of the product
- ✓ The standard provides a way to develop a Type III environmental declaration of construction products and is part of a collection of standards intended to assess the sustainability of construction works. It provides core product category rules (PCR) for the Type III declarations
- ✓ EN 15804 creates harmonisation of schemes such as BREEAM (UK), DGNB (Germany), FDES / HQE (France) and Green Tag (Australia)
- ✓ Since 2013, EPDs are part of the Construction Products’ Regulation (CPR)
- ✓ Our EPDs are available via product specific GreenTag and IBU EPDs, generic ERFMI EPDs and INIES FDES

## Polyflor EN 15804 EPDs

Products can be individually assessed, or generic profiling is available. Polyflor contributes to the EN 15804 generic data set for the creation of ERFMI EPDs and INIES FDES. The following categories all have EPDs and most have FDES:

- EN 10581 PVC Homogeneous
- EN 10582 PVC Heterogeneous (compact)
- EN 651 PVC Heterogeneous (foam backed)
- EN 13845 PVC Safety Flooring
- EN 10582 Luxury Vinyl Tiles
- EN 1817 Rubber (smooth)

The datasets used on Polyflor’s EPDs have been independently verified by Institut Bauen und Umwelt e.V. (IBU) or GreenTag. Both Generic and Product Specific EPDs are written to the rules and standards according to EN 15804 and ISO 14025.

## How to access Polyflor EPDs

- For generic and product specific EPDs, visit [www.polyflor.com/sustainability](http://www.polyflor.com/sustainability) or [www.ibu-epd.com/en/published-epds](http://www.ibu-epd.com/en/published-epds)
- To view GreenTag Product Specific EPDs, visit [www.globalgreentag.com](http://www.globalgreentag.com)
- To view FDES, visit [www.inies.fr](http://www.inies.fr)

Product Type	Ranges	GreenTag Product Specific EPD	IBU Product Specific EPD	ERFMI Generic EPD	INIES FDES
Homogeneous	Palettone PUR	PLF:HP5:2022	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Pearlazzo PUR	PLF HP3 2021EP	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Prestige PUR	PLF HP2 2021EP	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Classic Mystique PUR	PLF HP1 2021EP	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	2000 PUR	PLF HP4 2021EP	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	XL PU	PFL:HO02:2021	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Standard XL	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Polyflex Plus PU	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Palettone SD	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Finesse SD	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Polyflor SD	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	OHmega EC	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Polyflor EC	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
	Polyflor ROF	-	-	EPD-ERF-20180176-CCII-EN	3-1413:2018
Heterogeneous	Expona Flow PUR	PLF H1 2021EP	-	EPD-ERF-20180177-CCII-EN	3-1407:2018
	Forest fx PUR	PLF H3 2021EP	-	EPD-ERF-20180177-CCII-EN	3-1407:2018
	Bloc PUR	PLF H2 2021EP	-	EPD-ERF-20180177-CCII-EN	3-1407:2018
Safety	Polysafe Quattro	PLF HW3 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe QuickLay PUR	-	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Astral PUR	-	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Mosaic PUR	-	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Vogue Ultra PUR	-	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Standard PUR	-	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Wood fx PUR	PLF S1 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Wood fx Acoustix PUR	PLF S3 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Stone fx PUR	PLF S2 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Verona PUR: Original	PLF H2 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Verona PUR: Pure Colours	-	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Hydro	PLF HW1 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Hydro Evolve	PLF HW2 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Ultima	PLF HS1 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Apex 55	PLF HS2 2021EP	-	EPD-ERF-20180181-CCII-EN	-
	Polysafe Apex	-	-	EPD-ERF-20180181-CCII-EN	-
	Expona Control PUR	PLF LV03 2021	-	EPD-ERF-20180181-CCII-EN	-
Acoustic	Silentflor PUR	PLF A2 2021EP	-	EPD-ERF-20180178-CCII-EN	3-1408:2018
	Acoustix Forest fx PUR	PLF A1 2021EP	-	EPD-ERF-20180178-CCII-EN	3-1408:2018
LVS	Architex PUR	-	-	EPD-ERF-20180179-CCII-EN	3-1407:2018
	Secura PUR	-	-	EPD-ERF-20180179-CCII-EN	-
	Designatex PUR	-	-	EPD-ERF-20180179-CCII-EN	-
LVT	Expona Simplay PUR	-	EPD-JHA-20140178-ICA1-EN	-	3-1414:2018
	Expona Design PUR	PFL:LV01:2021	EPD-JHP-2013111-E	-	3-1414:2018
	Expona Commercial PUR	PFL:LV01:2021	EPD-JHP-2013211-E	-	3-1414:2018
	Expona Bevel Line PUR	-	-	EPD-ERF-20180180-CCII-EN	3-1414:2018
	Affinity 2 <sup>55</sup> PUR	PFL:LV01:2021	-	EPD-ERF-20180180-CCII-EN	3-1414:2018
	Camaro PUR	PFL:LV02:2021	-	EPD-ERF-20180180-CCII-EN	3-1414:2018
	Colonia PUR	-	-	EPD-ERF-20180180-CCII-EN	3-1414:2018
	Camaro Loc PUR	-	-	EPD-ERF-20180180-CCII-EN	3-1414:2018
	Camaro Rigid Core PUR	-	-	EPD-ERF-20180185-CCII-EN	3-1414:2018
	Expona EnCore Rigid Loc PUR	-	-	EPD-ERF-20180185-CCII-EN	3-1414:2018
	Expona Domestic PUR*	PFL:LV02:2021	-	EPD-ERF-20180185-CCII-EN	
	Expona Superplank*	PFL:LV02:2021	-	EPD-ERF-20180185-CCII-EN	
	Genero Design Plus*	PFL:LV02:2021	-	EPD-ERF-20180185-CCII-EN	

\*Available only in Australia

The Global GreenTag<sup>Cert™</sup> scheme operated by Global GreenTag P/L is a third-party ecolabel programme that rates sustainable products for the built environment.

The assessment of products is based on a life cycle approach and measuring the impact of products and their ingredients, outlined in the following critical areas:

- Reduction of energy & greenhouse gases
- Habitat & land degradation
- Toxicity to land, air & water
- Resource depletion & efficiency
- Human health & ethical employment

Polyflor was the first commercial vinyl floor covering organisation to achieve Global GreenTag LCARate™ certification across its key ranges. GreenTag's LCARate™ is an EPD and is a sustainability rating system

based on life cycle analysis (LCA) and EcoPOINT score. The LCA ratings are split into four categories for easy product selection: Bronze (Good); Silver (Very Good); Gold (Excellent) and Platinum (World Leading). Polyflor's ranges perform very well, achieving LCARate™ Silver PLUS and Gold PLUS (the 'PLUS' denotes the link to additional certification via the GreenRate™ system).

In addition to the Global GreenTag LCARate™, Polyflor achieves GreenRate™ Level A across these certified ranges. Maximum points are scored in the Materials 'Sustainable Products' and IEQ-VOC sections of the Green Star® rating tools. For example, a GreenRate™ Level A achieves 100% of available credit points in sustainable products and refurbishment products.

Product Type	Product Range	LCARate™	GreenRate™	EcoPOINT
HOMOGENEOUS	Palettone PUR	Silver PLUS	Level A	0.50
	Classic Mystique PUR	Gold PLUS	Level A	0.43
	Standard XL	-	Level A	-
HETEROGENEOUS	Expona Flow PUR	Silver PLUS	Level A	0.47
	Bloc PUR	Silver PLUS	Level A	0.48
	Forest fx PUR	Silver PLUS	Level A	0.47
	Silentflor PUR	Silver PLUS	Level A	0.49
SAFETY	Polysafe Verona PUR: Pure Colours	-	Level A	-
	Polysafe Standard PUR	-	Level A	-
	Polysafe Stone fx PUR	Silver PLUS	Level A	0.49
	Polysafe Wood fx PUR	Silver PLUS	Level A	0.49
	Polysafe Quattro PUR	-	Level A	-
	Polysafe Apex	-	Level A	-
LVT	Expona Commercial PUR	Gold PLUS	Level A	0.38
	Expona Design PUR	Gold PLUS	Level A	0.39
	Affinity2 <sup>55</sup> PUR	-	Level A	-
	Camaro PUR	-	Level A	-
	Expona Domestic*	-	Level A	-
	Expona Superplank*	Gold PLUS	Level A	0.38
	The Native Collection*	Gold PLUS	Level A	0.38
	Genero Design Plus*	Gold PLUS	Level A	0.38

To view certificates visit [www.globalgreentag.com/products](http://www.globalgreentag.com/products)

\*Available only in Australia.



# Green Buildings



## GOOD TO KNOW!



Polyflor was specified into the new headquarters of Deloitte in Milan (a NZEB – “Nearly Zero Energy Building”), which was rated with both LEED “Platinum” status and certified WELL “Gold”.

Polyflor's vast range of products, technical support and best value flooring, means you can maximise your BREEAM score without any compromise on performance, choice or budget.

Building Research Establishment's Environmental Assessment Method (BREEAM) is the longest standing and most widely used environmental assessment method for buildings in the UK, with brand recognition globally.

Credits are awarded according to performance in 10 different categories for measuring sustainability: Management; Health & Wellbeing; Energy; Transport; Water; Materials; Waste; Land Use & Ecology; Pollution; Innovation (extra). They are then added together to produce an overall score for the building on a scale shown below:

BREEAM Rating	% Score
Outstanding	Less than top 1% of UK new non-domestic buildings (innovator).
Excellent	Top 10% of UK new non-domestic buildings (best practice).
Very Good	Top 25% of UK new non-domestic buildings (advanced good practice).
Good	Top 50% of UK new non-domestic buildings (intermediate good practice).
Pass	Top 75% of UK new non-domestic buildings (standard good practice).

## How Polyflor can contribute on a BREEAM® project

Polyflor products can contribute to the award of BREEAM credits within the following categories – Materials, Waste and Health & Wellbeing

### Materials

The Materials section makes up 12.5% of the overall scoring, offering 12 credits in total. Polyflor contributes to MAT 01 and MAT 03.

#### MAT 01: Life Cycle Impact

**1 BREEAM Credit** (depending on building type)

**Aim:** To recognise and encourage the use of construction materials with a low environmental impact (including embodied carbon) over the full life cycle of the building.

#### 1 BREEAM Point:

Awarded for the use of one of our ranges where 3rd party verified EN 15804 compliant EPD is available.

Points awarded for each material type are then added up and weighted to award credits for this section of the project.

**Polyflor products can contribute to 1 material point in the MAT 01 section for floor coverings.**

#### MAT 03: Responsible Sourcing for Materials

**3 BREEAM Credits**

**Aim:** To recognise and encourage the specification of responsibly sourced materials for key building elements. 80% by mass of materials that make up elements must be responsibly sourced.

#### 3.5 BREEAM Points:

BES 6001 'Excellent' – Polyflor can contribute 3.5 points for the use of ranges which are certified to BES 6001, achieving 'Excellent'.

#### 1 BREEAM Point:

EMS certified – Polyflor can also contribute 1 additional point for having ISO 14001 environmental management system certification.

Use of Polyflor ranges with BES 6001 'Excellent' and ISO 14001 certification, contribute 4.5 out of a maximum of 5 points (90% of available points) towards the award of 3 credits in MAT 03. Floor finishes are considered with all other fittings such as windows and doors on a mass basis for the fittings part of the credit.

The data from the whole building is then weighted and buildings achieving greater than 54% of the available points are awarded a maximum of 3 credits.

**Use of Polyflor ranges can significantly contribute to credits in MAT 03.**

### Waste

The Waste section makes up 7.5% of the overall scoring, offering 7 credits in total. Polyflor can contribute to the credits available to flooring for WST 01 and will contribute towards a maximum score for 'diversion of resources from landfill'.

#### WST 01: Construction Waste Management

**4 BREEAM Credits** plus 1 Exemplary Level credit

**Aim:** To promote resource efficiency via the effective management and reduction of construction waste.

#### 1 BREEAM Credit:

Diversion of Resources from Landfill – Use the Recofloor take-back scheme in conjunction with a site waste management plan (SWMP) to remove waste vinyl flooring from the construction project. This can contribute towards the available credit on a BREEAM assessment.

#### BREEAM Exemplary Level Credit:

Available where demolition and non-demolition waste is kept to under challenging volumes/tonnages (85% by volume and 95% by weight) and diverted from landfill. Use of the Recofloor scheme can help achieve this for flooring demolition waste and non-demolition waste, as the material is taken back and recycled.

**Use of Polyflor materials and the Recofloor Scheme demonstrates diversion from landfill, potentially contributing towards 1 credit for diversion of resources from landfill and 1 exemplary level credit.**

### Health & Wellbeing

The Health & Wellbeing section makes up 15% of the overall scoring, offering 10 credits in total. Polyflor can contribute towards 1 credit for HEA 02: Indoor Air Quality.

#### HEA 02: Indoor Air Quality

**6 BREEAM Credits**

**Aim:** To recognise and encourage a healthy environment through specification and installation of appropriate ventilation, equipment and finishes.

#### 1 BREEAM Credit

Minimising sources of VOCs and formaldehyde – Polyflor can contribute towards this credit through demonstrating conformance to EN 14041:2004. Polyflor floor coverings are UK REACH compliant and do not contain formaldehyde, conforming to the E1 declaration. All Polyflor products have low VOC emissions.

**The use of Polyflor materials can contribute towards 1 Health & Wellbeing credit for minimising sources of VOC and Formaldehyde.**



Formerly operated by RICS (Royal Institution of Chartered Surveyors) until February 2024; now operated by SKA Rating Ltd, SKA Rating is an environmental assessment method, benchmark and standard for sustainable fit-outs. Where BREEAM® and LEED® focus on the environmental impact of the whole building, SKA is a benchmark and standard for non-domestic fit-outs, including Retail, Office and Higher Education.

Around 11% of the UK construction sector is involved in fit-outs and many buildings, particularly for retail and office, can have up to 40 fit-outs during their life-cycle.

SKA Rating helps landlords and tenants assess fit-out projects against a set of sustainability good practice criteria, comprising of over a hundred measures, incorporating energy, CO2e emissions, materials, waste, water, wellbeing, pollution and transport. The percentage score for the assessment across the given criteria, provides the fit-out project with a Bronze; Silver or Gold label. These ratings are reached by achieving 25%; 50% and 75% respectively, of the measures in scope.

Along with Polyflor's many credentials including ISO 14001, BES 6001, as well as low maintenance and low VOC emissions, Polyflor products can contribute to SKA assessments within the Soft Flooring category and can potentially meet all or at the very least (and the minimum requirement), one of the following criteria:

## Responsible Sourcing

- ✓ Responsible Sourcing - Product has been assessed and certified under BES 6001 or manufactured under a scheme that complies with the requirements of BS 8902.

## Soft Flooring

- ✓ Are reused; Some Polyflor ranges can be reused, including loose-lay products, Expona Simplay PUR and Polysafe QuickLay PUR.
- ✓ If new, are manufactured with at least 50% recycled content (measured by mass) and 100% recyclable content (designed for deconstruction with components that can be recycled; Some Polyflor products may contain around 50% recycled material and are all 100% recyclable.
- ✓ Are manufactured from 50% renewable and natural products; Some Polyflor products contain up to 85% natural material, which includes renewables. This can include fillers used, for example.
- ✓ Are supplied with an environmental product declaration, written in accordance with ISO 14025 standards; The vast majority of Polyflor ranges have EN 15804 EPDs written to standard ISO 14025.

## Designing Out Waste – Reduce Floor Finishes Waste

- ✓ At least 80% of all the removed carpet and soft floor finishes are:
  - reused either on or off site; or recycled through a closed loop scheme (e.g. manufacturers take back scheme).
  - At least 50% of all the removed vinyl based finishes are recycled through a closed loop scheme (e.g. manufacturers take back scheme).

For more information about SKA Ratings, please contact us at [info@polyflor.com](mailto:info@polyflor.com) or visit [www.skarating.org](http://www.skarating.org)

Leadership in Energy & Environmental Design (LEED®) is a sustainable building certification programme that rewards best-in-class building strategies and practices. Stringent criteria are set which a building project must meet to achieve LEED® certification. In doing so, specifiers will seek to use the most sustainable options available for the project.



There are four levels of certification available.

Certified	Silver	Gold	Platinum
40-49 points	50-59 points	60-79 points	80+ points

Polyflor can contribute to points on a LEED® project. The number of points achieved throughout the entire build establishes the level of LEED® certification for that project.

In 2017, the top 10% of LEED® certified companies achieved a Platinum rating, with 44% certified companies achieving a Gold rating; 30% achieved Silver and 14% obtained a Certified rating. Today there are more than 96,000 LEED projects in 167 countries and territories.

## How Polyflor can contribute on a LEED® project

### Materials & Resources

**MR Credit: Construction and Demolition Waste Management**  
Polyflor is 100% recyclable and post-consumer waste, including offcuts and smooth uplifted waste can be recycled. Alternatively, our Expona Simplay, Secura and Designatex can be reused as they do not require adhesive for installation.

The Recofloor scheme (of which Polyflor is a founding and funding member) complies with site waste management legislation and diverts vinyl flooring waste (offcuts and uplifted) from going to landfill. Recycle or salvage 50% of the waste for 1 point, or 75% for 2 points.

**MR Credit: Building Product Disclosure and Optimisation Sourcing of Raw Materials (Bio-based Content)**  
Polyflor flooring contains up to 85% sustainable materials and uses bio-based ingredients. **1 point available.**

**MR Credit: Building Product Disclosure and Optimisation Environmental Product Declarations.**  
Polyflor can contribute to the LEED® credit through its product-specific environmental product declaration (EPD), which can provide **1 point**; or **0.5 points** for a generic EPD.

**MR Credit: Building Product Disclosure and Optimisation Sourcing of Raw Materials (Recycled Content).**  
Polyflor flooring contains up to 40% recycled material, which typically includes post-consumer waste from the project site as well as pre-consumer (or post-production) waste, including process and sampling waste for instance. **1 point available.**

### Indoor Environmental Quality

**EQ Credit: Low Emitting Materials Option 1, Product Calculation CDPH Compliant Option 2, Budget Calculation CDPH Compliant**  
Polyflor can contribute to both options of this credit through certification of its low emitting products. VOC certification is available via Indoor Air Comfort, Indoor Air Comfort Gold and FloorScore® certification (Polyflor's certificates are available online at [www.polyflor.com](http://www.polyflor.com), [www.eurofins.com](http://www.eurofins.com) and [www.scs-certified.com](http://www.scs-certified.com)). Along with other materials used on the project, Polyflor products can contribute towards **1-3 points.**

For quick referencing and ease of specification, Polyflor has LEED® Points PDFs available digitally, across all product ranges. Request via [info@polyflor.com](mailto:info@polyflor.com) or speak to our Customer Technical Services Department on **+44 (0)161 767 1912.**

# WELL Building Standard v2™

The WELL Building Standard™ (WELL) is a performance-based system for measuring, certifying and monitoring aspects of a building that impacts human health and wellbeing.

Well Building Standard v2™ is assessed on 10 key concepts:



## How Polyflor can contribute on a Well Building Standard v2™ project

There are 10 core areas on a WELL Building Standard, which accrue points and lead to Bronze, Silver, Gold or Platinum certification. Even though Polyflor can contribute positively to Light (LRV), Sound (Acoustifoam and acoustic ranges) and Thermal Comfort (warmer than ceramic), Polyflor specifically helps achieve WELL project goals with 3 aspects relating to floor coverings. These include Air, Materials and Mind.

### Air

#### Air Quality A01 & A05:

The WELL Building Standard™ (WELL) determines requirements in buildings that reduce or minimise the sources of indoor air pollution (VOC).

Polyflor meets these conditions and can supply confirmation letters and VOC certification including Indoor Air Comfort Gold, and FloorScore®, which meet CDHP, as well as Afsset, M1 and AGB.

### Materials

#### Restricted Materials X01, VOC Restrictions X06 & Materials Transparency X07

The WELL Materials concept aims to reduce human exposure to chemicals that may impact health during building works or operationally. Polyflor complies through REACH, HPDs and VOC certification.

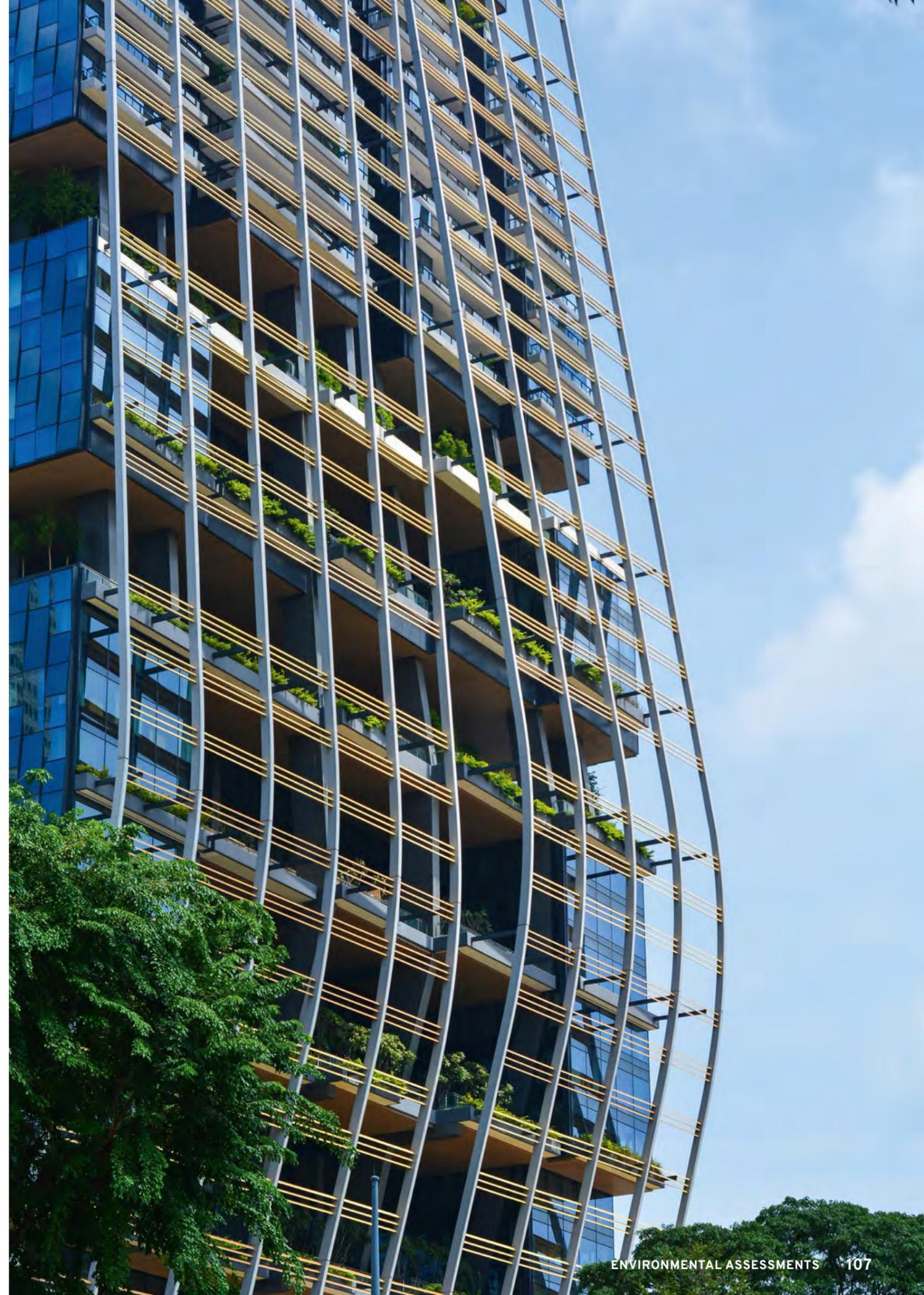
### Mind

#### Restorative Spaces M07

The WELL Building Standard™ identifies policies that can be implemented to positively impact mood, sleep and stress levels, in order to improve occupant health and well-being.

Polyflor offers ranges which enable the project to incorporate a calming and comfortable environment using 'subdued colours, textures and forms'.

For more information on the WELL Building Standard™ please visit [www.wellcertified.com](http://www.wellcertified.com)



HQE™ is the French and international certification awarded to building construction and management, as well as urban planning projects. It promotes best practice and sustainable quality in building projects.

HQE™ certification aims to verify and approve the performance of a building and the four critical areas considered by the certification scheme, which include energy, environment, health and comfort. The performance levels attained are stated and endorsed in a certificate issued upon completion of the project. Within this overall building assessment, product and material lifecycles are considered.

Certification for the entire life-cycle of a building (applicable for non-residential buildings; residential buildings and detached houses as well as urban planning and development) covers the entire process, from planning and construction, through use. Throughout the life-cycle, sustainability is considered over four key aspects:

- ✓ Quality of Life
- ✓ Respect for the Environment
- ✓ Economic Performance
- ✓ Responsible Management

### How Polyflor complies with HQE™

Many of Polyflor floor coverings comply with and contribute to HQE™ projects, by using the INIES FDES, a life-cycle assessment tool much the same as an EPD.

Many Polyflor ranges also have Afsset certification for low VOC emissions and some ranges are adhesive free for even better reduced emissions.

In our Australian and New Zealand markets, Green Star® rating tools reward sustainability outcomes and encourage moving beyond standard practice. Green Star® provides a framework of best practice benchmarks and rates the environmental and sustainable performance of a building.

A Green Star® rating provides independent verification that a building or community project is sustainable and demonstrates leadership, innovation, environmental stewardship and social responsibility. Projects are assessed against a range of environmental impacts, which include Management; Indoor Environment Quality; Energy; Transport; Water; Materials; Land Use & Ecology; Emissions and Innovation.

All types of buildings, new and old, can achieve Green Star® ratings. The rating tools to enable this are as follows:



Green Star® projects (Design, As Built, Interiors and Communities) can achieve a Green Star® certification of 4 to 6 Star Green Star®. Buildings assessed using the Green Star® Performance rating tool can achieve a Green Star® rating from 1 to 6 Star Green Star®.

**Green Star – Performance:**  
Increasing levels of operational efficiency within existing buildings.

**Green Star – Design and As Built:**  
Sustainable design and construction of public and private buildings, including hospitals, retail and industrial centres, offices, plus schools and colleges.

**Green Star – Interiors:**  
Transforming interior fit outs of all buildings from shops to hotels.

**Green Star – Communities:**  
Improving the sustainability of projects within the neighbourhood and community.

### How Polyflor can contribute on a Green Star® project

Polyflor has achieved maximum rating points in the Green Building Council Australia (GBCA) and New Zealand Green Building Council (NZGBC) Green Star® rating tools. Using Polyflor products certified by the Global GreenTag<sup>Cert</sup>™ third-party certification scheme can help the specifier achieve maximum points in the Materials 'Sustainable Products' and IEQ-VOC sections of the Green Star® rating tools.

As audited by NCS International Pty Ltd, to meet the GBCA best practice guidelines, Polyflor also achieved **PVC Best Practice** accreditation for: Palettone PUR; Prestige PUR; Pearlazzo PUR; Classic Mystique PUR; 2000 PUR; XL PU; Polyclad Pro & Polyclad Plus PU. This is a major achievement, outlining Polyflor's commitment to best practice manufacturing and the sustainable and safe use of additives, through responsible sourcing of its ingredients. For this reason, potential for points on a Green Star® assessment is further improved.

# Corporate Social Responsibility



# Economic Sustainability

Over the last 100+ years the expansion of Polyflor's parent company, James Halstead PLC, has been managed by four generations of Halstead's. Established by James Halstead himself in 1915, the company's original trade was the waxing and showerproofing of cloth for raincoats, before expanding into flooring in 1934. Today, Polyflor is an increasingly successful company, providing economic and environmental sustainability.

Polyflor is a major employer in Greater Manchester and Teesside, providing jobs within sales, marketing, graphic design, human resources, I.T, purchasing and finance, as well as production, engineering, technical, warehousing and distribution. Our business ethics ensure that we minimise risk wherever possible, given the responsibility we have within the supply chain and to our employees.

As a supplier we try to ensure timely deliveries and as a customer, timely payments, without imposing unrealistic payment terms. As a medium sized UK manufacturing company, we continue to pay fair salaries to our employees as well as paying tax in the UK, thus fully supporting the UK economy.

The company's strategic focus remains on flooring, although the strategy evolves over time, focus on sustainable growth is undiminished. This, therefore, underpins job security for Polyflor employees and benefits all stakeholders in the business.

## Investment & Growth

Polyflor is a successful, global organisation with a dominant market share in the UK. Listed on the AIM market of the London Stock Exchange with a nine-figure turnover, Polyflor celebrates over 70 years as a listed company.

Polyflor's economic sustainability, growth and success are largely attributed to the depth of its customer focus. Polyflor has strong relationships throughout the entire supply chain and does not price-fix or undermine pricing structures, ensuring economic sustainability for all our customers globally.

In Malaysia, we incorporated a new company and took on the trade of our former long-term distributor in November 2020. This now acts as our base for the South Asia markets of Malaysia, Singapore, Indonesia, Thailand, the Philippines and Vietnam.

Polyflor's ongoing commitment to Research and Development through advanced technology has resulted in the creation of innovative and market leading products, with New Product Development at the core of Polyflor's business philosophy, ensuring product is always meeting demands and on trend.

Significant investment was - and continues to be - made to develop and improve recycling initiatives. This includes financial and operational support across Recofloor, the UK's leading recycling scheme for waste vinyl flooring. We are also an official partner of VinylPlus, and support Recovinyl and ERFMI, in finding new exciting and innovative ways to recycle.

## Achievements

Given our reliability for quality product, stock availability and service, we were awarded "Flooring Manufacturer of the Year", in the 2023 CFJ (Contract Flooring Journal) Awards, for the fourth consecutive year. This was particularly gratifying as the voting for this award was by the floor laying contractors (the Contract Flooring Association) who install our products. Testament to Polyflor's product and service offering, we have won this accolade 8 times over the last 10 years.

The Society of British & International Interior Design recognised Ukryte Rzeki (Hidden Rivers) - a restaurant in Łódź, Poland - as a best 'Restaurant Design, Europe'. Boko Architects (who oversaw the design) and Polyflor (for the use of Expona Commercial on the project) were proud to have acknowledgement from SBID as finalists for the International Design Awards 2023.

Again, Polyflor was officially listed with the UK's NHS ProCure23, as well as being specified on a number of fascinating international projects, including the Media Centre for the Paris 2024 Olympics, Marseille Airport duty free area and the new Lidl HQ in France. A highlight was having Polyflor installed in Svalbard Folkehøgskole - a magical, educational project in Longyearbyen, the northernmost settlement on the Norwegian archipelago.

The ESG element of our business is an important part of our customers' purchase decision processes - whether it is Wendy's Restaurants, Ontario, or the new Louis Vuitton headquarters in Paris. The new headquarters of Deloitte in Milan (a NZEB - "Nearly Zero Energy Building") also achieved LEED "Platinum" status and WELL "Gold" certification, helped by our specified floorcoverings.



## Polyflor's Value Chain

It is important to Polyflor that we go beyond what is expected as a manufacturer, encouraging best practice throughout the flooring sector and adding value in pivotal ways to support our customers.

For our valued design community, Polyflor offers RIBA (Royal Institute of British Architects) approved CPD (Continuing Professional Development) courses, helping professionals keep their knowledge and skills up to date.

Our established Training Academy contributes to the value chain and continued to deliver high quality training courses throughout 2023 at its purpose-built facility as well as off-site locations. Further to this, Polyflor also offered its Floor Cleaning & Maintenance Course free of charge to our NHS and Education clients, aimed at educating how to get the best out of flooring by using the correct cleaning methods and products to facilitate a longer life and reduce ongoing costs.

In addition to providing training and education in getting the best out of our flooring, we believe that product stewardship is key, which is why we fully engage with all our customers to manage their waste Polyflor material and recycle, with Recofloor being a cornerstone of this principal. Recofloor is a cost-effective solution for managing waste. It is free if waste is taken to a distributors' drop-off site, or a nominal cost is applied if waste material is collected from a specified site - this offers a saving of up to 70% when compared to landfill, which is financially beneficial for our customers, as well as promoting circular economy principals.

Polyflor flooring is extremely durable, lasting 30 years if properly installed and maintained. Further benefit to both environment and cost is its low maintenance requirements. Numerous ranges are available for all interior applications for an easy to manage one-stop-shop, and we pride ourselves on our stock availability.



# Governance

Polyflor Ltd. is part of James Halstead PLC, with UK headquarters based in Manchester. The James Halstead Group employs around 820 people, has 2 UK production sites and 21 sales distribution sites worldwide.

Polyflor Ltd. has a board of 8 directors who report to Mark Halstead, Group Chief Executive and the executive board of James Halstead PLC. Mark Halstead is the fourth generation of the family to head up the business, following his Father, Geoffrey Halstead's official retirement in December 2017, after 70 years with the company.

Polyflor's directors are responsible and accountable for the compliance of policies which form the basis of our Code of Conduct. This promotes equality, trust and integrity and ensures legal, regulatory and ethical compliance.

## Standards of Conduct

### Employees

We will treat employees fairly and use employment practices based on equal opportunity for all employees. Recruiting, employing and promoting employees on the basis of objective criteria and the qualifications and abilities needed for the job to be performed in line with the Equal Opportunities Policy.

### Customers

We will provide high quality and value, competitive prices, and honest transactions to those who use our products. We will deal lawfully and ethically with our customers.

All employees are expected to behave respectfully and honestly in all their dealings with customers and the general public in accordance with the principles set out in this Policy.

### Suppliers

We will deal fairly with our suppliers. We will seek long lasting business relationships, without discrimination or deception. In those dealings, we expect those with whom we do business to adhere to business principles consistent with our own.

### Communities

We are committed to fostering good relationships with the communities in which we work. We will abide by all national and local laws, and we will strive to improve the wellbeing of communities through the protection of natural resources, through the encouragement of employee participation in charitable affairs.

### National and International Trade

We will seek to compete fairly and ethically within the framework of applicable competition. We will comply with all applicable export control laws and sanctions when conducting business around the world.



# Looking After our Workforce

As a major employer, Polyflor has a responsibility to its employees, ensuring their health and wellbeing as well as reducing labour turnover, which remains low. In fact, Polyflor has 25 and 40-year clubs for all employees who have been employed by Polyflor for the respective number of years, some of whom have worked for Polyflor for their entire careers (50 years in some cases), joining straight from school. Retaining an experienced and knowledgeable workforce is extremely important to Polyflor.

There were numerous positives for 2023. Most significantly, and encouraging for economic sustainability, was the 7% increase in total employees – a combination of improved labour turnover and additional new recruits. This included an increase in part-time staff, but importantly to the business and wider economics, full-time and permanent positions increased for a consecutive year.

## Recruitment & Retention

- Low staff turnover with 25 and 40-year clubs.
- Understanding staff turnover through exit interviews and feedback forms.
- Positions are advertised internally and externally.
- Improved recruitment process includes the DISC profiling tool to understand 'fit' as well as ability.
- Employees are typically local and represent the social demographic of the local area.
- We employ graduate trainees, interns and apprentices with requirements reviewed on an annual basis.

## Employee Benefits & Wellbeing

- Pension Scheme for every employee after 3 months of employment with Polyflor.
- Rewards for outstanding performance.
- Life insurance for all full time employees.
- Company social club for all employees.
- Breakout zones, with seating and facilities to buy or prepare food are available on all sites.
- Areas to sit outside are accessible at all Polyflor sites.
- Employees able to undertake voluntary work.
- Bike sheds and shower facilities are obtainable at the Whitefield site.

Our Employees	2018	2019	2020	2021	2022	2023	+/-
Total Employees	493	485	471	463	489	<b>522</b>	↑ 7%
New Recruits	43	45	13	54	54	<b>48</b>	↓ 11%
Labour Turnover	8%	11%	6%	13%	10%	<b>9.6%</b>	↓ 4%
Full Time Employees	482	473	456	460	480	<b>508</b>	↑ 6%
Part Time Employees	11	12	15	3	9	<b>14</b>	↑ 56%
Temporary Employees	24	10	9	25	36	<b>30</b>	↓ 17%
Permanent Employees	469	475	462	438	453	<b>492</b>	↑ 9%

“I joined the company as a cleaner on a part-time basis in January 1992. I then moved to samples and was promoted to Samples Despatch Supervisor. 31 years on and I still enjoy my job and working for Polyflor.”

**Jeanette Dagnall**  
Samples Despatch Supervisor

## Polyflor's 25 & 40-Year Clubs

In recognition of our long-standing and loyal workforce, we have 25 and 40-Year Clubs, which is something Polyflor is extremely proud of. As testament to Polyflor's success in retaining valued and experienced employees, we had 94 members in the 25-Year Club and 11 members in the 40-Year Club.

**DID YOU KNOW?**



In 2023, our 25 and 40 Year Clubs made up an amazing 20% of Polyflor's workforce



Retention	2018	2019	2020	2021	2022	2023	+/-
Total Employees in 25-Year Club	41	73	80	87	94	<b>94</b>	0%
New Members in 25-Year Club	1	11	7	7	7	<b>0</b>	↓ 100%
Total Employees in 40-Year Club	10	11	11	11	11	<b>11</b>	0%
New Members in 40-Year Club	1	1	0	0	0	<b>0</b>	0%

# Equal Opportunities & Diversity

The ages of Polyflor’s employees are diverse, with the biggest growth in the youngest and oldest age groups (33% increase for 16-25 and 12% increase for 56+). However, almost two-thirds of the personnel are aged 46+, which is largely due to the company’s retention of its staff.

Both construction and manufacturing sectors are typically male dominated. Polyflor’s ratio of women to men reflects this with 19% to 81%. However, Polyflor has made inroads to increase females employed across the business. 2023 saw the highest number of female employees in its history (97, a 4% increase on 2022) and we had 11 female managers, which was 8% lower than 2022, but still higher than previous years. The ratio of females to males in management positions is 2 to 7. Interestingly, 19% of our female employees are managers with 8% of our male staff holding management positions (this was 15% in 2020).

Of the 48 new recruits in 2023, 21% were female employees and of the total 97 female employees, 18% have been with Polyflor for 20+ years.

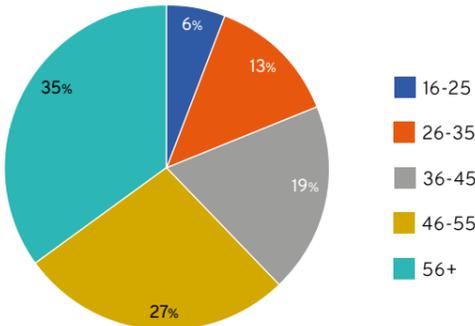
## Equality

- Equal opportunities & diversity policy.
- Modern Slavery Act Statement.
- Anti-bullying and Anti-discrimination policies.
- Anti-ageist, with 35% of employees aged 56+ and 27% being 46-55.
- Ratio of women to men is 19% to 81%.
- Ratio of females to males in management positions is 2 to 7, respectively. Interestingly, 11% of female employees are managers with 8% of male staff also holding management and supervisory positions (this was 9% and 15% in 2020).
- Maternity and paternity policy with flexible return to work.
- Targeted action to support colleagues’ return to work.

“I always like new challenges and am keen to keep learning and continue my journey at polyflor!”

**Tracy Sneyd**  
Customer Services Manager

## Employees by Age



## Employees by Gender



Our Employees	2018	2019	2020	2021	2022	2023	+/-
Male Employees	412	400	390	376	396	325	↓ 19%
Female Employees	85	85	81	87	93	97	↑ 4%
Male Managers	57	57	57	40	40	35	↓ 13%
Female Managers	9	7	7	10	12	11	↓ 8%

# Health & Safety of our Employees

Once more there were no serious accidents and injuries reported throughout 2023, with total accidents across our UK sites being less than 2022. For the third year running we offered free flu jabs to our employees to help prevent or limit this illness and support welfare.

### Employee Health & Safety

- SA 8000 and ISO 45001.
- We circulate a 'handling stress at work' policy.
- A health & Safety Management procedure is in place – in accordance with HSG65, Health & Safety Executive Document Guidance.
- Potential safety risks and incidents are reported for action and avoidance.
- Accident reporting is in line with ISO 45001 guidance - all work-related injuries are recorded and followed up with a risk assessment and remedial action.
- No fatalities have ever been recorded in the company's history.
- A Pedestrian Policy is in place including demarcated pedestrian pathways and crossings and high visibility vests are issued to employees or visitors who walk around our warehousing facilities.
- Ear plugs are used in production, within hearing protection zones in various locations around the factory.
- Occupational Health – medical and fitness checks for new employees as well as ongoing health checks for employees, particularly Polyflor fleet drivers.
- Work zone assessments are conducted by Polyflor's H&S Manager and occupational health nurse.
- Free flu jabs made available to employees to support welfare.
- Dedicated and trained First Aiders and Fire Marshalls are located in all departments of the business.

Employees Health & Safety	2018	2019	2020	2021	2022	2023	+/-
Loss Time Accident (LTA)	14	16	4	11	9	7	↓ 18%
Actual Days Lost through LTA	133	111	27	79	70	105	↓ 11%

“Ongoing training means I feel confident in any of the tasks I am given. We are provided with all the safety equipment we need for the job.”

**John Manchester**  
Senior Facilitator



# Training & Developing our Employees

Polyflor’s key performance indicators for Human Resources remained very positive. In particular training and development of employees remained exceptionally high throughout 2023.

Polyflor’s 3 apprentices continued their vocational courses, and elsewhere the principal focus of training was on maintaining an excellent Health & Safety culture. Some examples of 2023’s training activities included:

- First Aid
- IOSH Managing Safely
- IOSH Working Safely
- Health & Safety Refresher
- Environmental Awareness
- IEE Wiring Regulations 18th Edition

“It was a very informative course – both theory and practice – and now I feel confident to deal with basic health and safety incidents.”

**Dave Newton**  
Business Unit Manager, on the First Aid at Work training programme

	2018	2019	2020	2021	2022	2023	+/-
Apprenticeships	0	0	0	1	3	<b>3</b>	0%
Internal Promotions	4	7	6	5	10	<b>10</b>	0%
Employees Undergone Training Programmes	95	103	471	463	462	<b>379</b>	↓ 18%

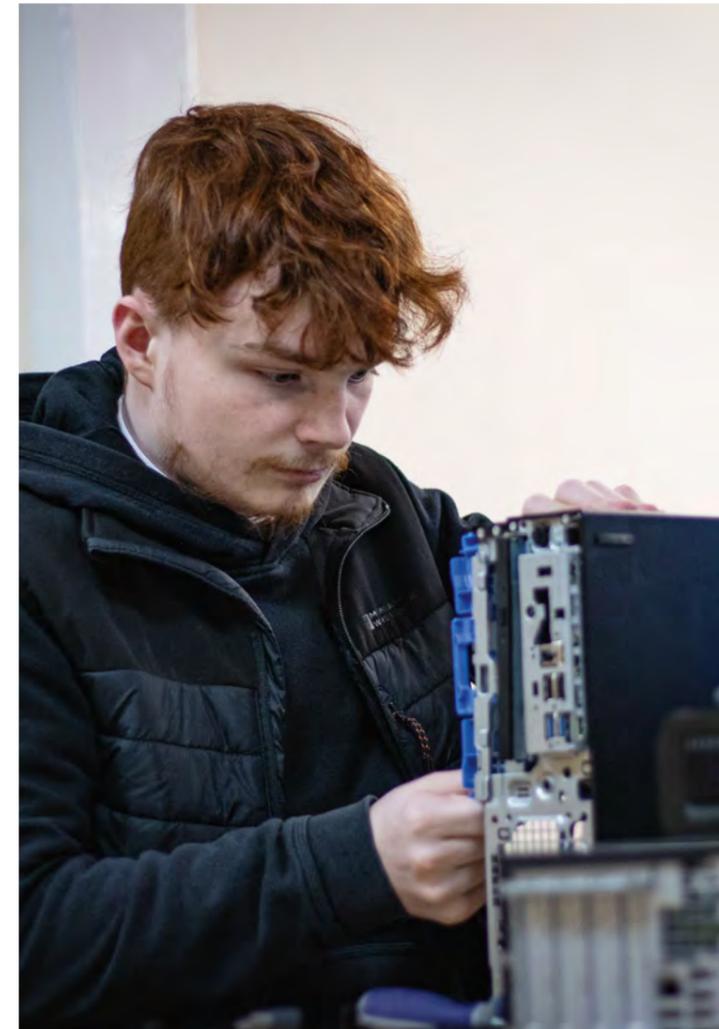
## Training & Development

- Polyflor’s training is audited to ISO 9001, ISO 14001 and ISO 45001.
- An enhanced induction programme is undertaken by new employees, including an environmental induction.
- Annual appraisals identify areas of strength and opportunities or targets.
- Professional development is encouraged through courses and training where both employee and employer benefit.
- Promotion or opportunities in different departments are often distributed internally throughout the business, although obtaining the right skill set is important so positions are advertised to external candidates.
- Polyflor engages with all staff regarding environmental issues, directly through email or letter as well as indirectly through [www.polyflor.com](http://www.polyflor.com), social media and this annual report which is circulated throughout Polyflor.
- Polyflor’s Training Academy for floor fitting skills is accessible to employees, which improves their understanding of Polyflor flooring and provides transferable skills for their own homes.

Again, for a consecutive year, 10 of our colleagues were promoted and outstanding performances were recognised and rewarded by the business.

“Being an apprentice allows me to gain an early experience of what it’s like to be working in a workplace environment.”

**Alfie Chapman**  
IT Apprentice



Q & A with

# Martin Fletcher: 18 Years at Polyflor

Job Title: Key Account Manager  
Start Date: May 2005

**IN  
18 YEARS**

An oak tree absorbs approximately 342kg of CO2e \*

\*Based on 18.87kg CO2e/year per oak tree

**Q. What was your first role when you joined Polyflor?**

“My Dad worked at Polyflor for 32 years as a Senior Engineer (now retired) and told me about an opportunity with Polyflor. I joined Polyflor in May 2005 as a Samples Dispatch Assistant, learning about our products whilst dealing with requests.”

**Q. How has your role changed over the years?**

“Following on from my role in the Samples Department, I undertook the position of Retail Sales Consultant in September 2008, promoting our various products to customers in the Northwest. Three years later, I was fortunate to become a Technical Sales Consultant. I was then promoted to Key Account Manager in 2013, which involved relocation from Greater Manchester to Worcester.”

**Q. What do you enjoy about your role and Polyflor?**

“People. Really simple. I enjoy speaking to our customers - you’ve got to be a ‘people person’. I’ve loved maintaining the many working relationships and seeing my team develop. I also value the assistance that I receive from colleagues and how well we support one another at Polyflor.”



Martin Fletcher  
Key Account Manager

**DID YOU KNOW?**



In 2005, COP11 was the largest intergovernmental climate conference, with over 10,000 participants.

Q & A with

# Paul White: 44 Years at Polyflor

Job Title: Line Controller (Line 3)  
Start Date: 30th April 1979

**IN  
44 YEARS**

An oak tree has grown 88 feet / 27m and produces acorns

**Q. What was your first role when you joined Polyflor?**

“I first started in Tile Press as a Packer on the Manual Presses, when I joined Polyflor”

**Q. How has your role changed over the years?**

“I’ve moved around a lot over the years and have worked in all departments throughout the factory. From starting in Tile Press, I moved to the warehouse then Polytred and Carpets, then onto Material Handling before coming back to Tile Press. I moved again, this time into Line 5, then onto Line 7, and finally Line 3 where I am today.”

**Q. What do you enjoy about your role and Polyflor?**

“I get a lot of job satisfaction working for a good company and work with some great people. Also enjoy a bit of workplace banter!”



Paul White  
Line Manager

**DID YOU KNOW?**



The First World Climate Conference was held on 12–23 February 1979 in Geneva.

# Commitment to our Communities

As a responsible manufacturer, Polyflor has a duty of care to ensure that the impact of day-to-day operations from its business to the local community is minimal. We also want to ‘give back’ wherever we can and support our local heroes... Let’s do good.

## Good Neighbours

As such the company has procedures and policies to address issues which may arise in line with ISO 14001 and BES 6001, including a robust complaints procedure, where these issues are regularly reviewed at Environmental Steering Meetings. It is the responsibility of the Directors to initiate a project in instances where the source of a complaint is persistent and requires a solution. Where a complaint form is received, the company has a formalised procedure as per its BES 6001 objectives to respond and action within 7 days of receiving it. The recording of these complaints is audited and reported on annually.

Polyflor’s Whitefield site is the original production site and located within a residential area (the site is over 100 years old and older than many of the nearby houses). For this reason, continued efforts to reduce noise pollution and emissions remain important for harmonisation between this production site and its neighbouring residents. As well as ensuring HGVs turn off engines during evening and early morning deliveries and collections, investment has also been made into acoustic engineering and into new electric forklift trucks, to help minimise noise levels.

Given the proximity of the 100s of residents to this 24-hour production site (Monday to Friday), complaints can be difficult to control, and the number of complaints can fluctuate and vary year on year. However, only 2 complaints were received in 2023, of which one related to noise and one, smell; these were promptly handled. The Whitefield factory had 78% fewer complaints than 2022 and was the lowest number of complaints in 14 years – a testament to the production site and ongoing BES 6001 and ISO 14001 objectives. Polyflor continues to strive to prevent complaints from the outset and continues to interact closely with its communities.

## Good Support

As part of ongoing CSR commitments, Polyflor continues to liaise with and support the local communities in which it operates. It is particularly important to give something back to local communities – our (often unsung) heroes who make a massive difference - as well as contributing to causes further afield.

Polyflor provides support to its local communities in many ways, including donating product, money and time. When Polyflor is involved in donating flooring to charitable projects, the marketing, sales and distribution teams invest a lot of time through support and communication: They work together in arranging a suitable product, ordering and despatch. There is a duty of care in ensuring the right flooring is specified and delivered in a timely manner and followed up with appropriate customer aftercare.

Employees are also encouraged to engage with charitable organisations and events, through fundraising or supporting their peers (we allow time during work hours for communicating and organising collections for selected charities and food banks) or carrying out volunteer work as another way for employees to feel fulfilled outside of their role.

# Polyflor's Highlights

Let’s do good

CSR activities are important to Polyflor and throughout the last 6 years, Polyflor has donated over £103,280 to local charities in the UK. In 2023, Polyflor supported 16 charitable projects (14 charities) by donating £35,853 both financially and in flooring - increases of 129% and 646% respectively against 2022. Polyflor staff also raised £704 in financial contributions and food and toy gifts, in support of various local and national charities in the UK. Here is a selection of the charities we supported in 2023.

## The River Manchester

For the third year running we also helped The River Manchester, a charity which brings hope and support to those facing or fleeing domestic violence and potential poverty by empowering them to create better lives for themselves. The organisation provides people with furniture for new accommodation and offers training and emotional support at its Openshaw HQ. For information on the charity, visit [www.therivermanchester.org.uk](http://www.therivermanchester.org.uk)

We took part in the charity’s reverse advent calendar, which, instead of opening the windows and taking out treats, participants picked a number at random and donated a corresponding item towards several food hampers.

Once more, we also donated 108m<sup>2</sup> of stylish Expona Flow and matching weld rods to help improve another area within the organisation’s facility in Manchester.

“We want to thank you for supporting us in replacing our old flooring this year. This has made a great impact in welcoming our clients to our premises and having a fresher look. Thank you all for your generous support once again.”

Lydia Chan, The River Manchester

## Bury Council Fostering Team

We showed ongoing support for Bury Council’s Fostering Team, which helps children stay connected to their community, school, friends, and family. We did so by making a financial donation, and employees generously bought Christmas presents for the children in foster care over the festive period. A party was organised by Bury Council, where every child and young person received their gifts from Father Christmas himself.

“Thank you so much for the monetary contribution and the vast donation of toys. The party was a huge success and our cared for children and young people had an amazing evening. The toys and gifts were just what we needed and to see the children’s faces open their presents made it very special. The Christmas period can be a difficult time for our children and young people, but seeing their happiness and laughter at the party was just lovely.”

Emma Newey  
Bury Council Foster Care Team



## CASE STUDY

# House of Books and Friends

We were delighted that the House of Books and Friends project in Manchester, UK - featuring Expona Commercial LVT - won CFJ Award for Charitable Initiative in Flooring 2023. The trophy was accepted by David Reilly, Key Account Manager, Polyflor, alongside Lily Webb, Director & Project Manager, Contract Floors Ltd (Blackpool)

Location: Manchester, UK  
Products: Expona Commercial  
Sector: Retail

The House of Books & Friends is a thriving community hub on King Street in the heart of Manchester. Alongside a wide selection of literature, this beautifully designed venue offers good coffee and conversation in its mission to combat loneliness.

It operates as a Community Interest Company (CIC) that wishes to bring people together. The doors opened to everyone with a simple message: When We Read, We Are Not Alone.

The Grade II listed building is the former home of the Liberal Party Reform Club. In its repurposed state, the venue offers visitors an attractive front-of-house area which leads into the bookshop, complete with a café and rear

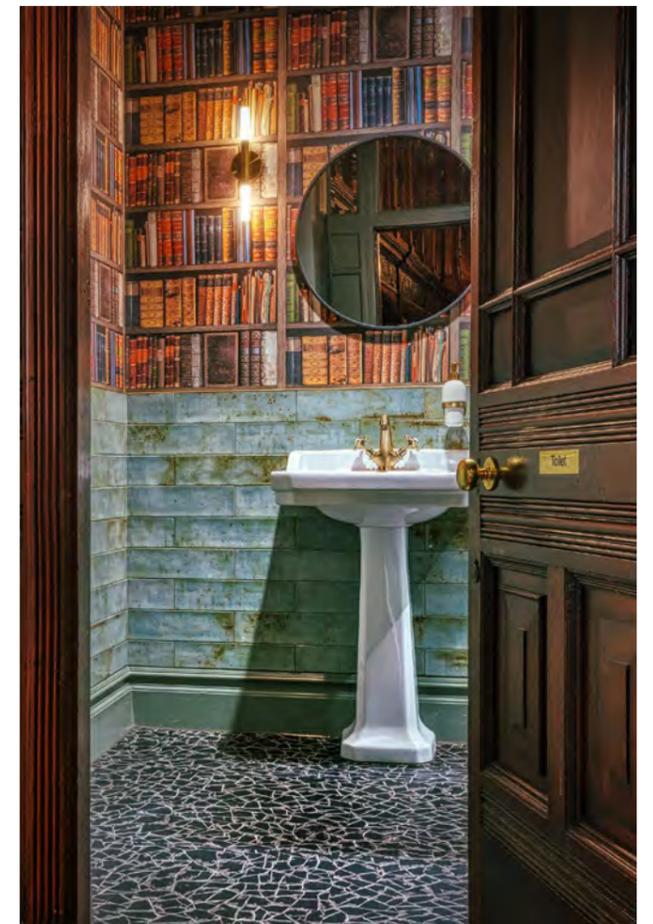
events space. The inventive use of various products from Polyflor's Expona Commercial range brought the original features of the building to life.

Sian Astley from Moregeous Design led interior design duties. Her brief was to ensure that the newly renovated interior complemented the surrounding historic architecture with a vintage classic style. When considering her flooring options, the colour scheme and pattern had to heighten the treasure trove of decorative items whilst simultaneously withstanding heavy footfall from visitors. Astley subsequently specified a combination of Expona Commercial LVT tiles and planks across each area. She also enjoyed experimenting with flooring patterns, creating a French weave 'rug' for the café seating area, which offered a central focus. As visitors walk beyond the café into the magnificent events space, the light flooring tones become noticeably darker and increasingly atmospheric, with their attractive shades reflecting the coffered ceiling above. This exemplary artistic direction showcases character at every turn.



“Each space has its own personality. Great designs, hard-wearing surfaces, and good sustainability credentials. What’s not to love?”

Sian Astley  
Moregeous Design



## CASE STUDY

# Funded: Apprentices' Training Courses

Last year, Polyflor Ltd. Provided free installation training to flooring apprentices. In partnership with F. Ball and Co. Ltd. - known for their flooring adhesives and subfloor preparation products – trainees received expert tuition and an early introduction to market-leading products during four standalone introductory courses, aimed primarily at first-year apprentices hired by Polyflor's numerous flooring contractor customers, with numbers limited to twelve attendees per course.

This skills-focused initiative was successfully launched in Spring 2023 at the Centre of Excellence for F. Ball and Co. Ltd. in Cheddleton, Staffordshire. In June 2023, the second course took place at the Polyflor Training Academy, Whitefield, Greater Manchester, followed by the third course in September 2023. The fourth and final course returned to Staffordshire in November 2023.

The courses aimed to address growing UK labour shortage concerns within the flooring industry. By engaging with future installation professionals, Polyflor sought to raise the profile of apprentices and encourage contractors to consider the positive benefits of their employment. The courses also highlighted the broader industry objective to replenish the post-Brexit deficit of contract flooring workers reported by the Contract Flooring Association (CFA).

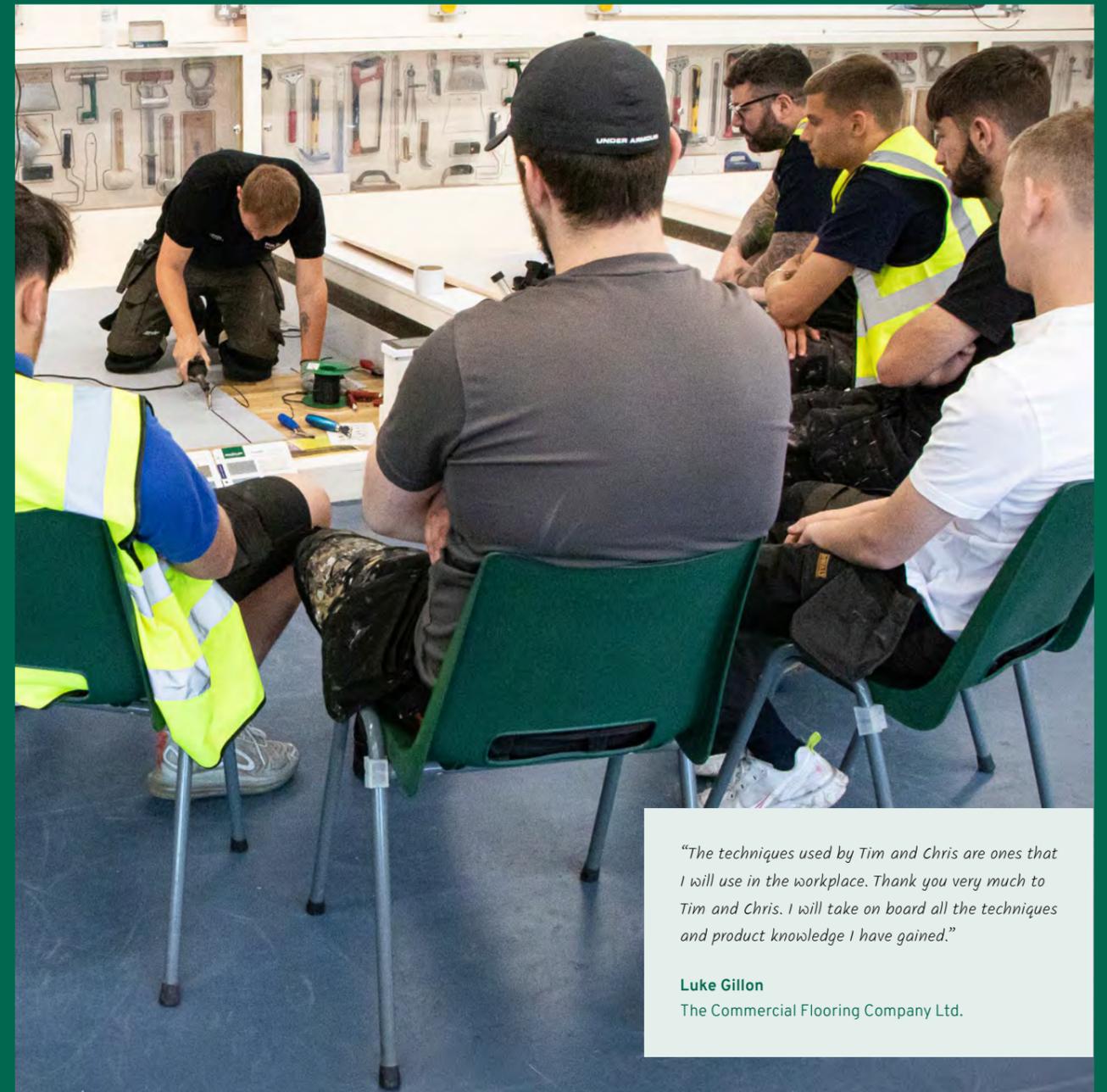
According to recent data from the Construction Industry Training Board (CITB), the current skills shortage across the UK construction sector suggests that an extra 217,000 construction workers will be required by 2027. Furthermore, the CITB classifies flooring as a furnishing trade rather than a construction trade, meaning employers cannot receive funding from them. As a result, few technical colleges in the UK currently operate floor-laying courses as part of their standard curriculum.

Although prospective UK employers can take advantage of the Government's Apprenticeship Levy, hiring apprentices remains a high cost and significant responsibility for flooring contractors.

Despite such difficulties, there remains a wealth of opportunities for industry-leading companies such as Polyflor to offer internal support, training, and investment, thus ensuring a bright future for all concerned.

*"The course flowed through to each subject very well and showed every process involved on a real-life job."*

**Kyle Elmer**  
Hicks Carpets



*"The techniques used by Tim and Chris are ones that I will use in the workplace. Thank you very much to Tim and Chris. I will take on board all the techniques and product knowledge I have gained."*

**Luke Gillon**  
The Commercial Flooring Company Ltd.

*"Apprentices will become the lifeblood of our UK contract flooring industry."*

*"The apprentices spend two days honing their subfloor preparation skills, followed by two days learning the correct methods of resilient sheet installation."*

*"As market leaders in the UK flooring industry, Polyflor Ltd. and F. Ball and Co. Ltd. wanted to do something positive to help ease the current crisis by supporting those contract flooring customers willing to hire apprentices."*

**John Buchanan**  
International Technical Manager, Polyflor Ltd.



# About this Report

This report provides an overview of Polyflor's sustainability performance for the 2023 calendar year and enables us to communicate to all stakeholders, be accountable for our sustainability activities and identify where improvements should be made.

## Report Boundary

The environmental data reported is required as part of our BES 6001 sustainability objectives and framework, relating to our 2 UK production sites and distribution site. In compliance to our BES 6001 Excellent rating, the methodology used for significant environmental aspects is outlined herewith.

## Polyflor Environmental Impacts Assessment - Methodology

### General

Polyflor has assessed its operations and as a result has identified environmental impacts of the business.

### Responsibilities

It is the responsibility of Polyflor Senior Management to systematically examine their business operations and identify possible and actual effects on the environment.

### Control Measures

- Internal procedure titled "Environmental Aspects Identification and Assessment".
- Register of Environmental Aspects.
- Environmental Aspects Identification and Assessment Form.
- Register of legal requirements.
- Environmental Objectives.

### Identification of Environmental Aspects

Polyflor has identified 18 non-significant aspects and 15 significant aspects. Identification of all Environmental Aspects consider the following:

- Possible and actual effects on the environment.
- Type of activities carried out.
- Use of materials and utilities.
- Generation of solid and liquid waste.
- Discharges to sewer or surface waters.
- Emissions to atmosphere.
- Energy consumption.
- Transport and distribution.
- Noise emissions.
- Packaging.
- Housekeeping and visual impacts.
- Effect of fire.
- Effect of flooding.
- Electrical failure.
- Spillages on site.

### Significant Environmental Aspects

- EA8 Transport of goods and materials to the Polyflor sites.
- EA9 Energy Use – steam generation.
- EA10 Emissions to air from safety flooring manufacture.
- EA12 Environmental noise and vibration from site.
- EA13 Generation of waste for off-site disposal or reclamation.
- EA14 Disposal of foul water.
- EA17 Packaging of final product.
- EA18 Distribution of product from site.
- EA24 Effect of liquid spillage from site.
- EA25 Use of cooling towers on site.
- EA26 Presence of asbestos in building materials on site.
- EA27 Presence of chiller systems.
- EA33 Demolition and building on site.
- EA36 Climate change and energy.
- EA37 Water abstraction.

### Assessment of Significance

Environmental Aspects are assessed based on environmental risk.

The severity score will be based on the following:

- 1-4 = Trivial effect.
- 5-8 = Minor effect.
- 9-12 = Major effect.

The likelihood will be based on the following:

- 1 = Improbable occurrence.
- 2 = Possible occurrence.
- 3 = Occasional occurrence.
- 4 = Regular occurrence.

The significance is calculated from multiplying the severity by the likelihood. An aspect is considered significant if the significance score is greater than 25.

### Environmental Aspect Identification and Assessment Form

Each aspect identifies the following criteria.

- Description of the area of activity.
- Description of the environmental impact.
- Specific activities associated with impacts.
- Mitigation strategies (objectives).
- Legal requirements.

### Review of Environmental Aspects

Environmental aspects are reviewed periodically by senior management to assess the following:

- Progress of associated objectives and targets.
- Associated activities.
- Necessary updates/changes.
- Need for identification of new aspects.
- Significance Score.

### Auditing of Environmental Aspects

All significant aspects are audited to ensure:

- Compliance to legal requirements.
- Compliance to management system requirements.

Polyflor is compliant to legal and management system requirements and remains accredited to ISO 14001.

### Stakeholder Engagement

Stakeholder engagement is important to Polyflor and facilitates a two-way process for communication and insight, as outlined within our BES 6001 parameters. The stakeholder consultation process and its activities generally involve meetings, feedback procedures and surveys, audits, representations and regular contact and involvement with the following: Employees; customers; suppliers; trade unions; industry associations; local communities; shareholders; government and financial organisations.

We value your opinions and would welcome feedback on this report. Please get in touch at [info@polyflor.com](mailto:info@polyflor.com)



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