



FIRST
GRADE
PROJECTS

Products and Materials:

Crafting Excellence Through
Sustainability

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BioCarbon Laminates

Exclusivity

We take pride in being Wales' exclusive user of BioCarbon Laminates' solid-grade laminate (SGL) products. We utilise these laminates for various interior applications, including cubicle systems, IPS, vanity units, wall panelling, and worktops.

Pioneering Approach

BioCarbon Laminates are the first and only carbon-neutral laminates available in the UK and Ireland. They combine carbon-neutral credentials with high quality, cost-effective, and durable decorative materials.

Quality & Transparency

Quality and transparency are key reasons why we place our trust in BioCarbon Laminates. They provide EPD credentials, communicating the material environmental impact throughout its life-cycle. Additionally, they comply with CE mark standards, use sustainable raw materials, and are FSC certified materials.



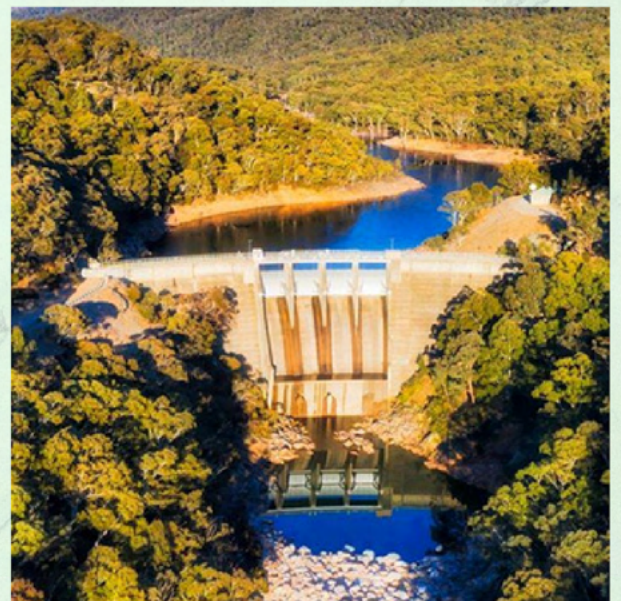
BioCarbon Laminates

Achieving Carbon Neutrality Cradle-to-Gate

BioCarbon products are produced in a carbon-neutral manufacturing facility which actively monitors, controls, and balances carbon emissions and achieves net zero emissions through various measures:

- Engaging in carbon offsetting through renewable energy sources such as hydroelectric power
- Substituting VOC emitting resin with water based alternatives
- Countering CO2 emissions with a reforestation tree planting program

Our UK distribution partner of BioCarbon Laminates calculates and offsets the carbon emissions generated whilst the material is in their care through Gold Standard carbon credit investments enabling us to provide you with carbon neutral laminates Cradle-to-Gate, verified through an Environmental Product Declaration (EPD).



BioCarbon Laminates

Anti-Bacterial and Anti-Microbial Protection

Through dedicated research and development antimicrobial protection comes as standard for both high pressure laminate (HPL) and solid grade laminate (SGL).

The high pressure laminate (HPL) and SGL are tested under JIS Z 2801 method, the industry standard for testing antimicrobial performance on hard surfaces, as well as ISO 22196.

The Anti-Microbial protection provided by BioCarbon Laminates makes our decorative surfaces the ideal solution for the most exposed applications within hygiene sensitive areas in the built environment and is especially suited to the following:

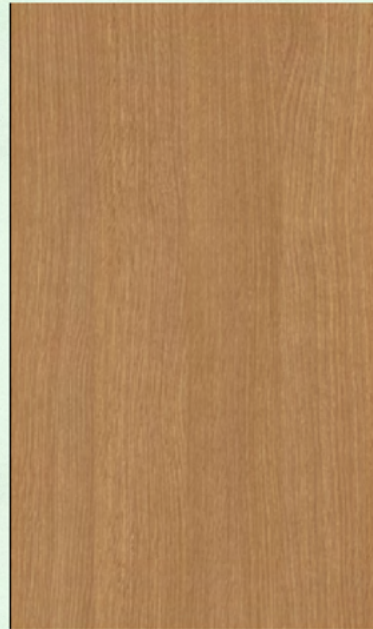
- Education
- Health
- Hospitality
- Manufacturing
- Public facilities
- Research & development



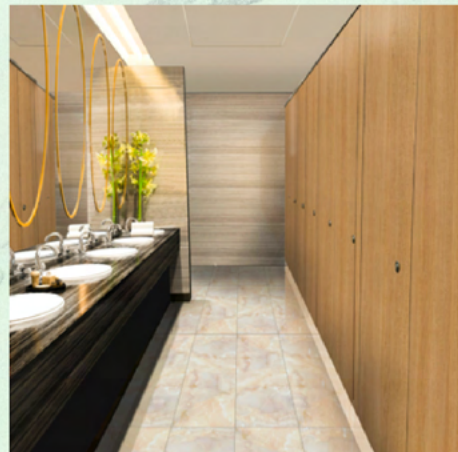
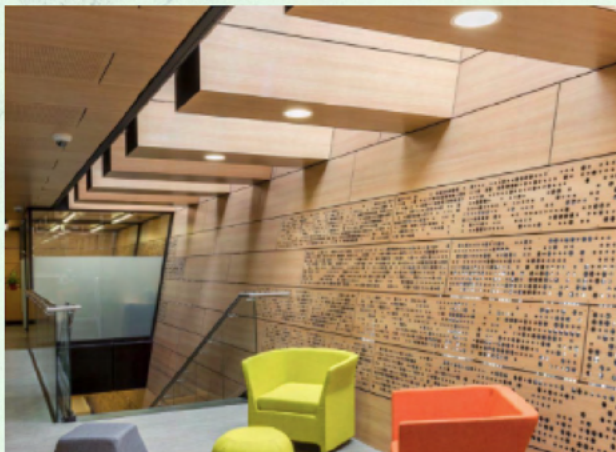
BioCarbon Laminates

The product range enables a wide range of customisation options to meet the needs of architects, designers and end clients. A sample of bespoke products we can manufacture include:

- Educational or office furniture
- IPS Panels
- Vanity units
- Tabletops
- Lockers
- Wall Panels
- Benches
- Point of sale units
- Doors
- Worktops



We offer a supply only or supply and fit service across all products we manufacture.



BioCarbon Laminates

BioCarbon Laminates offer a wide range of solid colours and wood finishes for HPL and SGL, as well as the more contemporary decors suitable for the distinctive soft touch, super matt surface of the Liscio range.

COLOUR CHART Available in Washroom and Locker collections.



BioCarbon Solid Grade Laminates (SGL) is fire rated (B-s1,d0) as standard. This fire rating can also be integrated across the HPL and Liscio range upon request.

Egger and Kronospan

We have selected Egger and Kronospan as our go-to suppliers of wood laminate products for their quality and because their commitment to sustainability aligns with our principles and company ethos. We use these products daily as part of our manufacturing processes to craft bespoke furniture items such as shelving, cupboards, and cabinets.

Selected highlights from Egger and Kronospan sustainability commitments

- At least 90% of Kronospan raw materials are recycled wood
- 65% of Egger wood is derived from recycling by-products.
- Kronospan laminates are 100% recyclable
- 88% of the materials utilised in Egger products are sourced from renewable raw materials.



Egger and Kronospan

Egger Renewable Energy Utilisation

A significant 70% of the energy Egger use in their production facilities is generated from renewable sources. Moreover, they generate electricity and heat from using wood residues that can no longer be used in their products. The effect of this is that they are largely independent of fossil fuels.

FGP Sustainable Manufacturing Approach

We've adopted comparable approaches to minimise our carbon footprint within our manufacturing operations. Presently, we've established a collaboration with a local waste processor, responsible for recycling our minor waste materials at their nearby facility, avoiding the use of landfill. Notably, significant material off-cuts are stored and our computerised processes enable identification and use on future projects. Also, a selection of surplus materials are donated to local SME's for use in small scale arts and crafts manufacture.

At our headquarters we have commenced use of an industrial shredder and briquette press. This strategic addition is projected to reduce our waste output by over 90%. A key outcome of this initiative is the utilisation of the produced briquettes for eco-friendly heating across our facilities.



Egger and Kronospan

We design, manufacture, supply and install a range of products to meet specialist requirements.



Coleg y Cymoedd: Bespoke desks to incorporate specialist robotic equipment



Principality Stadium: Bespoke tables and cabinets for hospitality suites

Trespa TopLab

Trespa is our product of choice for specialist worktops as they offer exceptional durability and low-maintenance attributes which meet the needs of demanding environments.

Pioneering Sustainable Initiatives

Embracing the ethos of "Do No Harm, Do Good, Do Better," as outlined by Trespa, we are aligned with their vision. Their resolute mission of attaining carbon neutrality by 2030, as unveiled through their sustainability report, is a goal we share.

Among the noteworthy initiatives that Trespa champions for a more sustainable future are:

- 100% renewable energy used at their production facility
- 70% of product inputs are bio-based and made up of renewable resources
- Trespa's new line of surface solutions (TopLab Plus Align) has an 85% bio-based inputs
- 50% reduction in impact on global warming since 2019



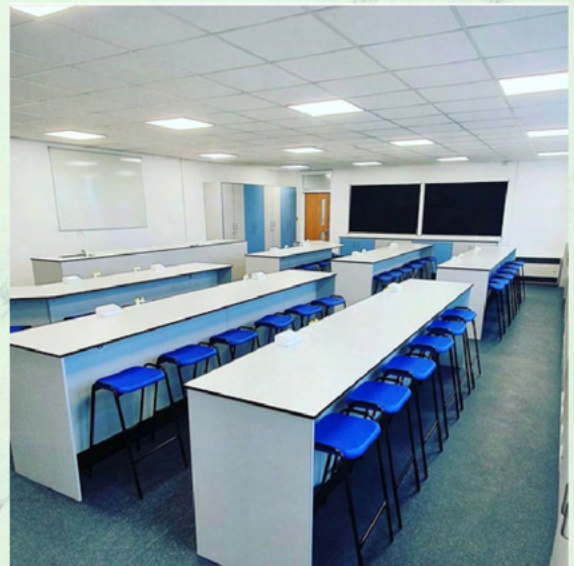
Trespa TopLab

Trespa TopLab Base

Our use of Trespa TopLab base ensures high standards in terms of durability, making it the preferred choice for education, health and manufacturing sectors. Thanks to its high impact and wear and tear resistance, it is especially suitable for applications such as worktops and cabinets where chemical resistance is not critical.

Trespa TopLab Plus/Plus Align

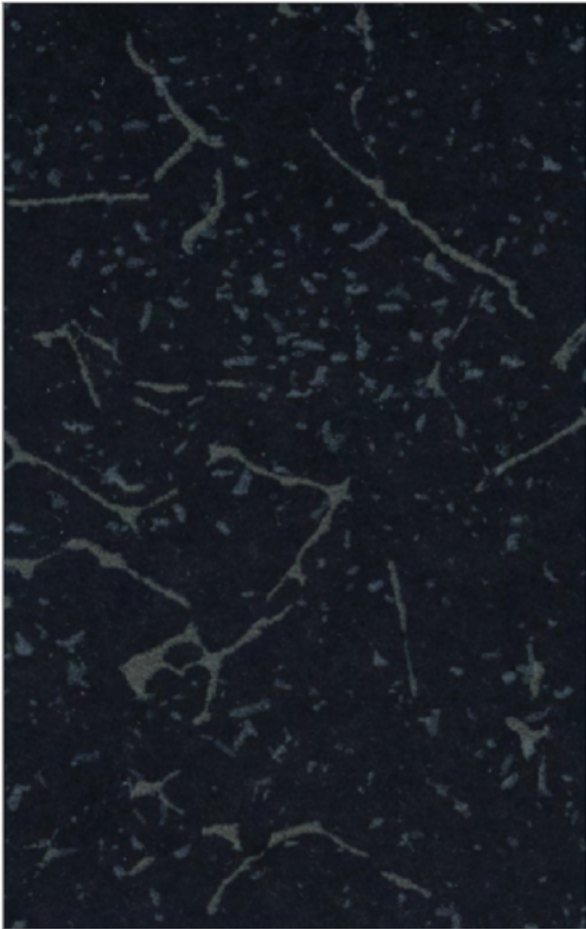
We understand that nothing less than excellence is acceptable in terms of hygiene, avoidance of contamination, sustainability, ergonomics and safety. This is even truer for worktops which need to guarantee consistent reliability under stress. We utilise this product for demanding environments such as chemical, physical and analytical laboratories as it has been specifically engineered to provide durable and high performing worktops.



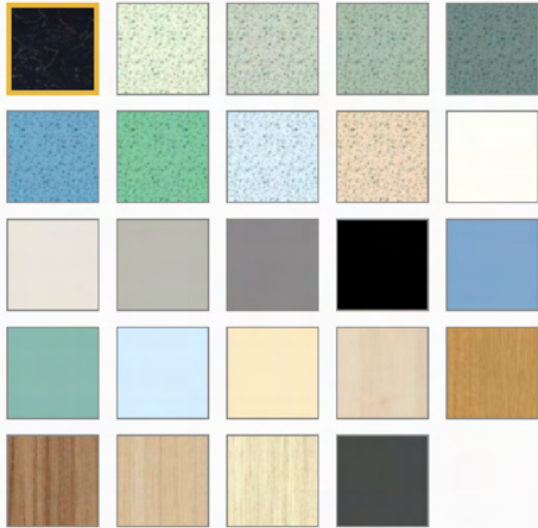
Trespa TopLab

Trespa TopLab Base

We offer the full product range, allowing an extensive choice of customisation options, outlined below:



Select your colour



	Thickness							
	6 mm	8 mm	10 mm	13 mm	16 mm	19 mm	20 mm	25 mm
TopLab® Plus				■	■		■	■
TopLab® Vertical	■	■	■	■				
TopLab® Base	■	■	■	■	■	■	■	

Trespa TopLab

Trespa TopLab Plus/Plus Align

A more limited range of colours and finishes are available for TopLab Plus and Plus Align, which are outlined below:



Select your colour



	Thickness							
	6 mm	8 mm	10 mm	13 mm	16 mm	19 mm	20 mm	25 mm
TopLab® Plus				■	■		■	■
TopLab® Vertical	■	■	■	■				
TopLab® Base	■	■	■	■	■	■	■	

Woodio

Woodio products now stand as a key offering within our portfolio, and we are delighted to contribute to introducing this innovative bio-material to the UK market. Recognising the environmental challenges posed by ceramics, we sought a sustainable alternative option to meet client requirements. Our quest led us to Woodio, a solution that not only aligns with our sustainability standards but also perfectly meets our aesthetic criteria.

A World First

Woodio is the world's first 100% waterproof solid wood composite designed to replace ceramic and stone material. In everyday use, the Woodio material works the same way as traditional ceramics. However, having three significant advantages:

- The impact-resistant material, making it practically unbreakable in normal use.
- The surfaces are easy to keep clean because the material's dirt repellent coating.
- The high wood content of the material gives extra comfort as the products feel warm on the skin when you touch them.



Woodio

The Material of a New Era

Manufactured in Finland, Woodio material is a combination of wood chips and resin-based binders. The significant difference compared to ceramics is the almost carbon-neutral production method of the material, which as an environmentally friendly alternative significantly reduces air pollution and CO2 emissions. The material is completely waterproof, impact resistant and environmentally friendly. It also acts as a carbon sink during its service life. Woodio material can be utilised as energy waste when it reaches the end of its life cycle.

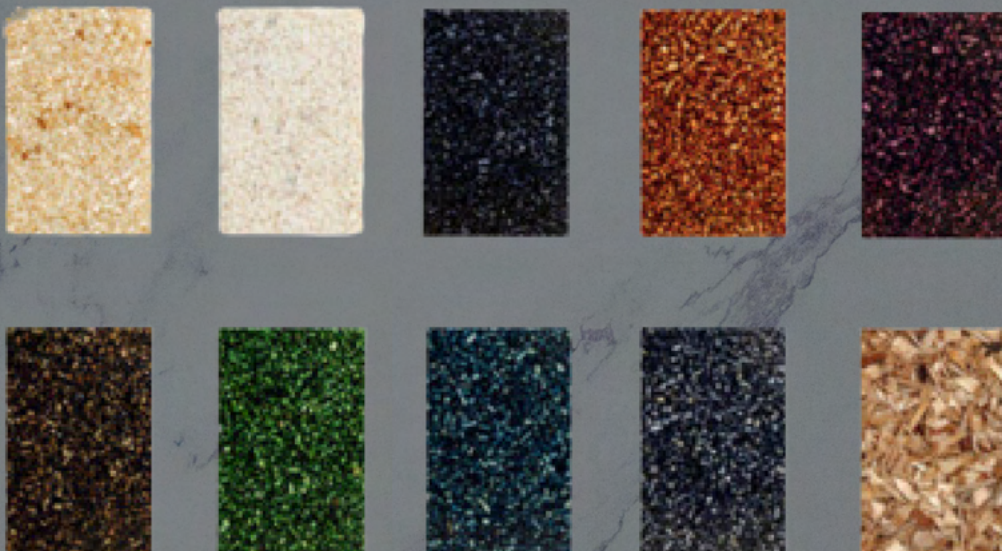
The material is suitable for numerous applications and in the future it will not be limited to bathroom furniture only.



Woodio

Product Options

We have access to a collection that includes 17 different washbasin models, a bathtub and accessories in attractive nature-inspired tones.



Polygood Panels

We are thrilled to stand among the pioneering UK companies offering this product within our portfolio. Polygood panels are a cutting-edge solution that opens new avenues in recycling by transforming plastic waste into functional and eco-friendly panels. Our commitment to sustainability has driven us to embrace this innovation, aligning perfectly with our ethos. We are confident that Polygood Panels will play a pivotal role in advancing our commitment to sustainable construction and design, offering an optimal balance of environmental responsibility and aesthetic appeal.

100% Recycled Plastic

Polygood is a surface material made from 100% recycled plastic. The sustainable advantages of this material are equalled by its distinctive aesthetics.



Polygood Panels

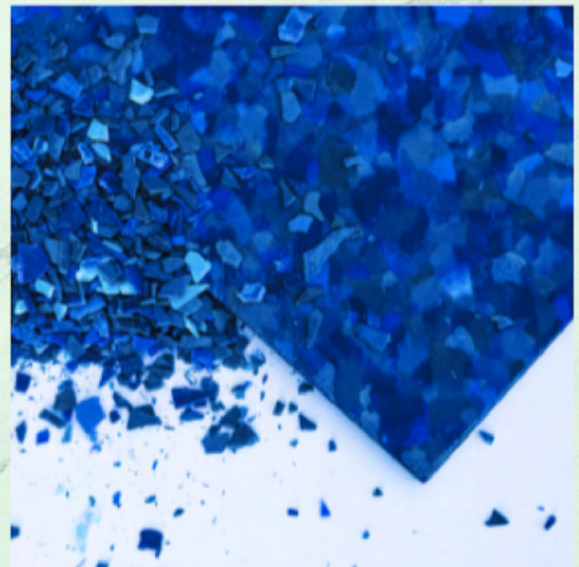
Our distinctive Polygood panels can be used to create modern-looking environmentally-conscious furniture and interior or exterior design elements.

Revolutionising Plastic Recycling

Polygood panels are produced from a wide range of post-consumer and post-industrial plastic waste sources, from refrigerators to single-use cutlery, electronics and industrial consumables. They and their suppliers have procedures to ensure that we can guarantee the composition of their products to our clients.

Cutting-Edge Manufacturing

With factories in the Netherlands and Ukraine producing over 1,000 tonnes of recycled plastic panels annually, their patented equipment facilitates recycling from various waste streams, collecting comprehensive data during processing to ensure high-quality panels, certified to international standards.



Polygood Panels

Applications

These panels offer versatile applications in both interior and exterior design. Our capabilities extends to manufacturing these panels into bespoke fittings, encompassing a diverse range of possibilities, including but not limited to:

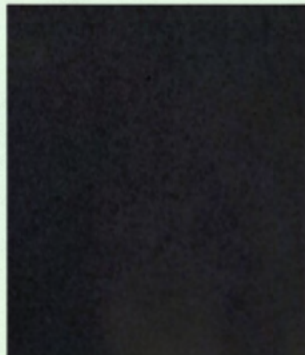
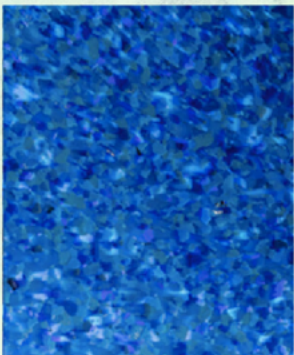
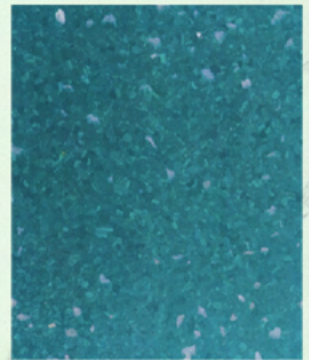
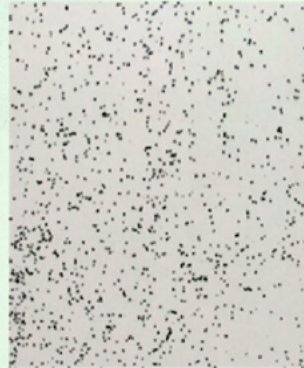
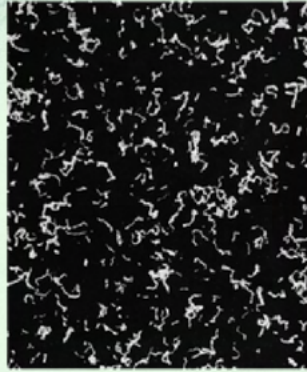
- Wall paneling
- Table and counter tops
- Shelving
- Units and cabinets



Polygood Panels

Core Range

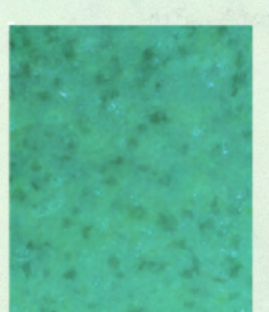
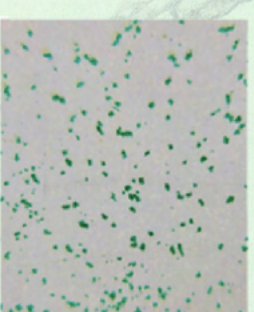
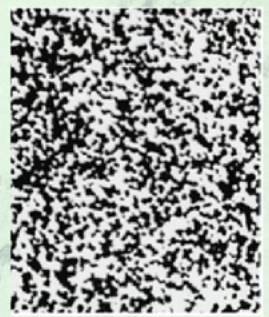
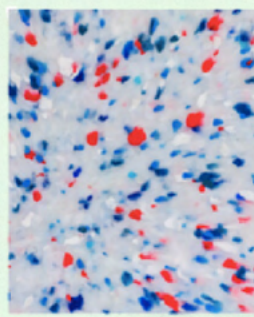
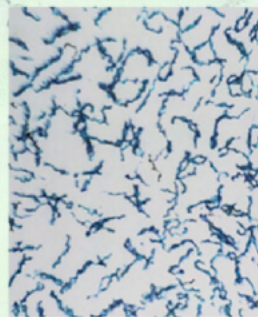
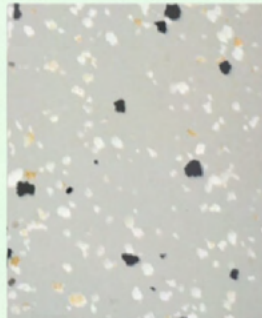
We offer the core range of Polygood Panels. They bring together naturalistic and modern patterns in a range of colour palettes that combine beauty and sustainability.



Polygood Panels

Bespoke Collection

New interior design trends emerge all the time and to keep up with them we collaborate with clients to create patterns that meet their needs completely without being limited to the standard range. Bespoke patterns created over the years have turned into a whole Bespoke Selection available by demand.





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BioCarbon Laminates

BioCarbon Liscio

Introducing the first carbon neutral ultra matte surface laminate with anti-fingerprint technology.

BioCarbon Liscio has an EBC (electron beam cured) surface which provides high performance features such as healing properties, very low light reflectivity, an extremely matt surface. Smart technology enables the repair of minor surface scratches.

The versatility of BioCarbon Liscio enables us to use the material for both horizontal and vertical surfaces in a wide range of interior design applications, including residential, hospitality, healthcare and commercial interior furniture:

- Worktops
- Countertops
- Doors
- Wall Panelling
- Tables

