

bespoke
composite
panels

VIVALDA



All the market leading brands



In-house fabrication



On-site training & assistance



Nationwide coverage

VIVALDA

Since 1999, VIVALDA have been producing high quality, durable composite panels for the construction and glazing industries. Our specialist production centres have the capabilities to manufacture bespoke composite panels to suit an extensive range of specifications.

introduction

Composite panels are used in glazing systems or curtain walls to provide thermal insulation properties as well as a finished decorative face in one application.

We pride ourselves on being the specialist composite panel providers, distributing across the UK and Ireland. All of our staff have vast experience in working with a diverse product range, with a variety of insulation to meet specific project requirements. Our technical support team can offer assistance with selecting the correct products to meet the desired specification and additionally provide assistance on site if required.

Our range of equipment and machinery allows our expert production team to manufacture bespoke composite panels to any specification. This includes fabricating welded and dressed trays to achieve specific U-value thermal requirements.

Our vast offering of products include:

- Square edge infill panels
- Top hat panels
- Corner Panels
- Fascias and soffits
- Window cills
- Flashing and trims
- Column casing / post covers

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Our diverse offering of components include:

Face Materials

Trespa - High-Pressure Laminate (HPL)

Polyester Powder Coated Aluminium (PPC)

Plastisol - Colour Coated Steel

Glass Reinforced Plastic (GRP)

Steni - Stone Aggregate

Alulap

Insulation

Polyfoam XPS

Lamella - Mineral Fibre

Polyisocyanurate (Pi)

Polyurethane (Pu)

Phenolic

Solid Timber



Production

All our panels are factory produced to the highest standards with regular inspections at each stage of the manufacturing process. VIVALDA's commitment to quality inspection and high standards in the production environment means our composite panels leave our site in excellent condition, ready for installation.



Warranty

For your reassurance, VIVALDA offers a 10 year warranty on the bonding process, to cover against delamination. For each component element of the composite panel, depending on the material used, the component manufacturer warranty will apply. Please speak to your VIVALDA representative when enquiring.



Fire Guidance

A composite panel is a component part of the glazing system and as such, has not been tested for fire behaviours. Contact VIVALDA for more advice in relation to fire guidance.

composite range

Polyester Powder Coated (PPC) Aluminium

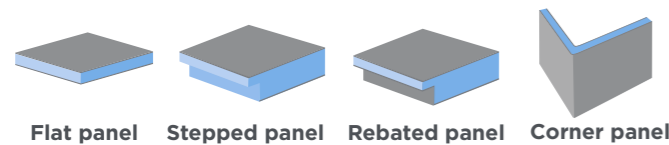
Colour options are truly endless with PPC aluminium panels, with finishing options available in matt, satin or gloss. All our panels go through a pre-treatment process to ensure longevity before they are powder coated using state of the art equipment that offers a 25 year powder coating guarantee.

Benefits

- Available in RAL, BS and Syntha Pulvin colours
- Designed to individual specification
- Cost effective
- Create bespoke panels as stepped, rebated (tray), corner panels and column casings
- Flashing, cills, soffits, fascia's, column casings and cover trims available to match
- Corner panels of varying angles



- Up to 4000mm x 2000mm
- Aluminium thicknesses: 1.2mm, 1.5mm, 2mm or 3mm
- Panel thicknesses: 9mm - 150mm
- Can be powder coated to a marine environment finish if required



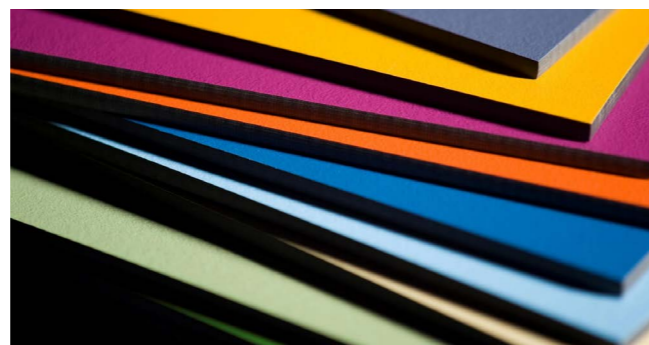
Flat panel Stepped panel Rebated panel Corner panel

Trespa Meteon - High-Pressure Laminates (HPL)

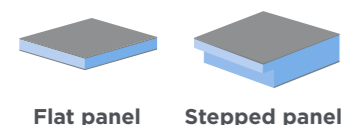
Trespa Meteon is a decorative high-pressure compact laminate (HPL) with an integral surface manufactured using Trespa's unique in-house technology, Electron Beam Curing (EBC). The blend of up to 70% wood-based fibres and thermosetting resins, manufactured under high pressures and temperatures, yields a highly stable, dense panel with a good strength-to-weight ratio.

Benefits

- Wide range of colours and finishes
- Excellent colour stability
- Weather, UV and chemical resistance
- Low maintenance and easy to clean
- Scratch, impact and graffiti resistance
- Can be manufactured as a stepped panel to increase thermal efficiency



- Up to 2550mm x 1860mm or 3050mm x 1530mm
- Trespa 3mm only available in uni colours (satin), woodgrains and metallics. Minimum order quantity applicable.
- Panel thicknesses: 13mm - 150mm



Flat panel Stepped panel

Plastisol - Colour Coated Steel

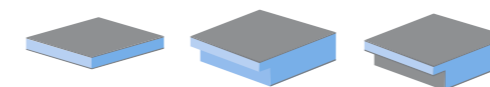
Plastisol offers a high quality, long lasting finish with up to 40 years life expectancy and properties such as high durability and abrasion resistance. The 200 micron-thick embossed plastic coating is available in a wide range of non-metallic colours and suitable for all types of buildings, in coastal and inland locations.

Benefits

- UV resistance and impact resistant
- Low maintenance
- Cost effective
- Ideal for both new and replacement glazing systems
- Can meet more bespoke specifications as stepped and rebated panels
- Wide range of colours
- Available in Leathergrain, Scintilla and PVF2



- Up to 3000mm x 1250mm
- 0.5mm / 0.7mm gauge steel
- Panel thicknesses: 8mm - 150mm



Flat panel Stepped panel Rebated panel

Alulap

Alulap is a product designed to replicate traditional ship-lap with the heightened performance of lightweight aluminum panels.

Grooves are spaced at 100mm centres (horizontal and vertical available) and are supplied cut-to-size using our in-house fabrication facilities.

Alulap is suitable for use on curtain walling, door infills and window infills. Panels can be powder coated in any RAL or BS colour using our group coating facilities.

Benefits

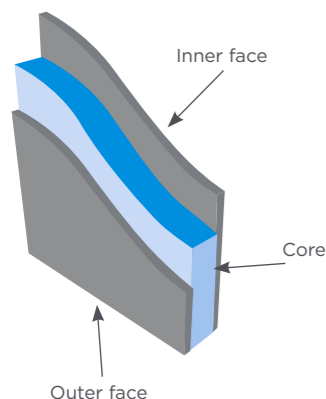
- Available in RAL, BS and Syntha Pulvin colours
- Designed to individual specification
- Cost effective
- Decorative design



- Aluminum thickness: 1.5mm
- Panel thicknesses: 9mm - 150mm

insulation materials

Creating Thermal Efficiency



VIVALDA offers a wide range of insulation core materials and can advise on the most suitable product for your project requirements. The standard boards we recommend are Polyfoam, Lamella - mineral fibre, Polyisocyanurate (Pi), Polyurethane (Pu) and Phenolic, which can be further reinforced with timber or fibre cement board for additional security

Thermal efficiency is a key requirement for most building projects, with composite panels having to meet specific U value requirements.

The table shows the thermal performance of each insulation.

	Polyfoam XPS	Phenolic	Lamella	Pi	Pu
Thermal Conductivity (K Value)	0.033	0.021	0.040	0.023	0.024
Density (kg/m³)	30kg/m ³	40kg/m ³	164kg/m ³	35kg/m ³	40kg/m ³
Compressive Strength (kPa)	200kPa	180kPa	190kPa	175kPa	200kPa
Reaction to Fire* (EN13501-01)	F	B1	A1	B2	B3
Class 'O' to building regs	no	yes	yes	no	no

*Whilst the individual components have fire properties, once they have been bonded this becomes an untested product that would need to be tested within a glazing frame, to ascertain its individual performance.

VIVALDA Services

At VIVALDA we pride ourselves on being the specialist composite panel providers, serving customers from across the UK and Ireland.

We take on any size job and treat all projects with the same level of efficiency, professionalism and expert touch.

Our experienced sales team offer competitive quotations and technical advice.

Our extensive machinery and equipment includes:

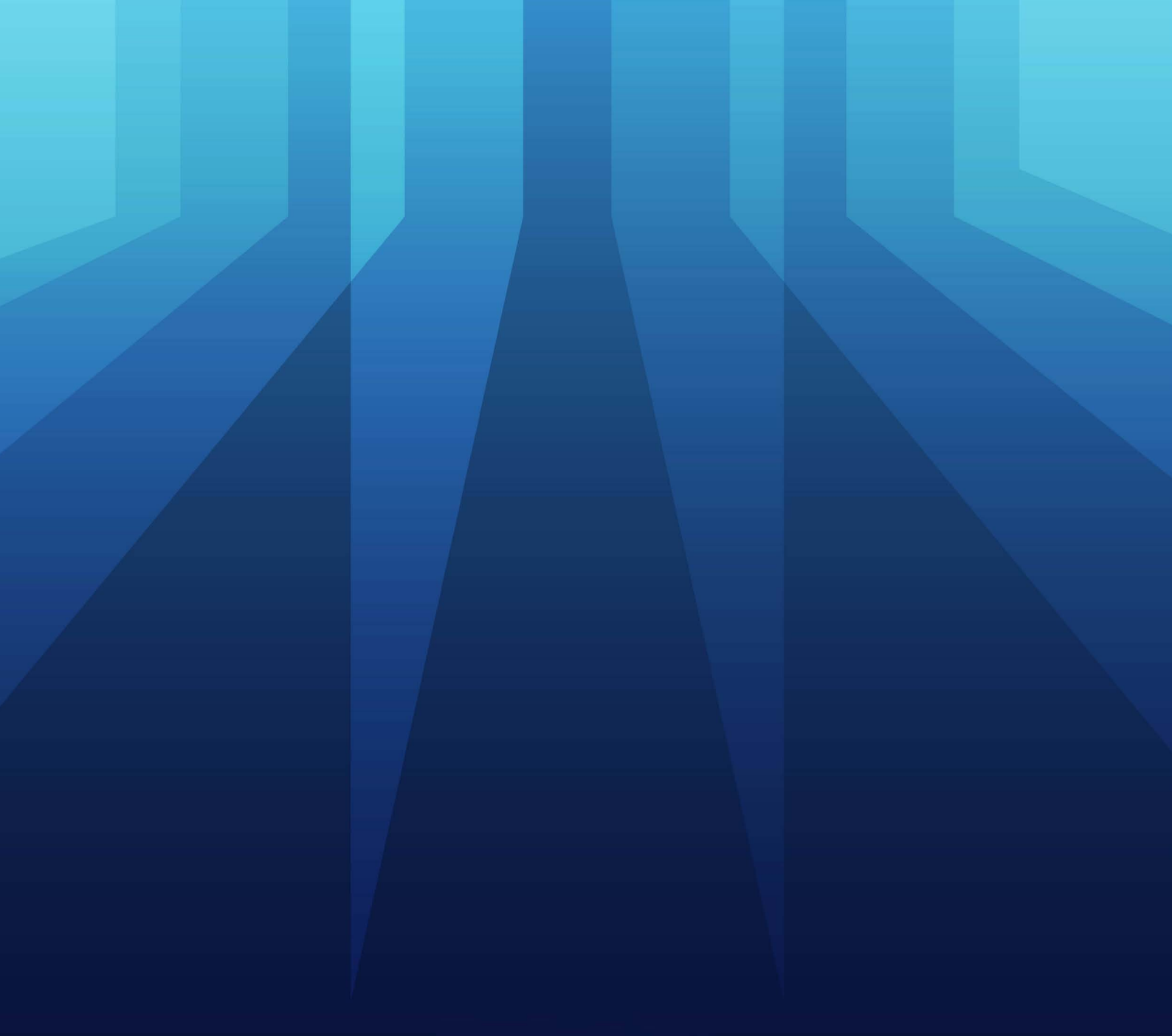
- CNC routers
- Computer operated beam saw machines
- Guillotines
- Hydraulic presses
- Vacuum presses
- Pressbrakes
- Welding equipment
- Powder coating plant

Our range of equipment and machinery allows our expert production teams to create bespoke composite panels to exacting size and shape requirements. This includes fabricating stepped trays in order for panels to be glazed into the system, rebated panels that help to achieve specific U-value thermal requirements, and corner panels that can be shaped to varying angles.

With a vast network of branches, VIVALDA have excellent transport links; allowing our bespoke composite panel service to reach all our customers anywhere in the UK and Ireland. As part of our transport services, we offer palletised delivery to allow for ease of off-loading, professional pallet labelling (to customer requirements), plus protective wrapping of the products so they arrive in the same excellent condition that they left our warehouse.



All information featured in this brochure is accurate at time of print. For confirmation of warranties, panel dimensions, finishes and available product ranges, please re-confirm with VIVALDA at the time of enquiry.



VIVALDA's specialist production centres have the capability to manufacture bespoke composite panels to suit an extensive range of specifications. Contact us today

sales@vivalda.co.uk

VIVALDA

vivalda.co.uk

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