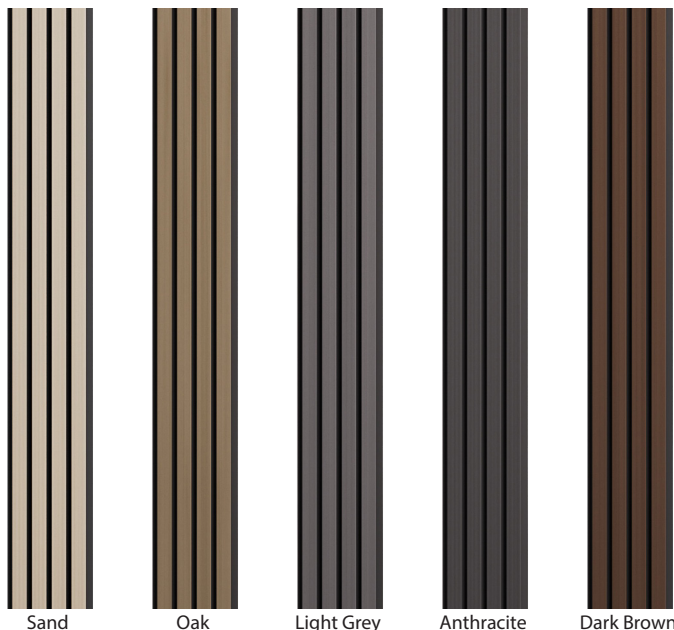




Product description

WPC cladding for decorative outdoor wall and façade applications. The panels are made from Wood Plastic Composite, consisting of plant fibres and polyethylene-based polymer material. This combination gives the cladding a natural appearance while offering the benefits of a low-maintenance and weather-resistant façade finish.

The cladding is suitable for exterior walls, garden buildings, outbuildings, sheds and other non-load-bearing façade applications. The panels can be installed vertically or horizontally on a suitable substructure with sufficient ventilation behind the cladding.

Properties

- Decorative outdoor façade finish
- Made from Wood Plastic Composite
- Natural wood-look appearance
- Suitable for vertical and horizontal installation
- Low-maintenance material
- Resistant to moisture and weather influences
- Does not require painting or oiling
- Suitable for ventilated façade applications
- Available with matching starter, end and external corner profiles
- Available in multiple colour variants

Suitable substrates

The WPC exterior panels can be installed on suitable, stable outdoor walls or façade structures. The exterior wall must be dry, clean, level and stable. The substrate must be suitable for fixing the WPC support battens with appropriate screws and wall plugs.

The panels must not be installed directly onto the wall. Always install the panels on WPC support battens to create a ventilated substructure behind the cladding.

Storage

Store the panels and profiles horizontally in a dry, clean and well-ventilated area before installation. Keep the products flat and protected from dirt, moisture, direct heat, rain and mechanical damage.

Do not store the panels standing upright or unsupported, as this may cause deformation. Storage conditions must be dry and ventilated. Do not stack the products too high to prevent deformation or injury during handling.

Preparation

Before installation, check all panels, profiles and support battens for visible damage, colour differences, irregularities or defects. Do not install damaged or defective products.

Measure the installation area, determine the panel layout and cut the WPC support battens and profiles to size.

Technical data sheet Unovia® WPC panels

Installation instructions

The WPC exterior panels must be installed on WPC support battens with rear ventilation. Maintain a vertical centre-to-centre distance of 50 to 60 cm between the support battens.

Always pre-drill WPC panels and profiles using a 4 mm drill bit. Fix the panels in the tongue-and-groove joint using suitable screws. For detailed installation steps, refer to the separate Unovia® WPC exterior panel installation manual.

Technical specifications

Property	Value
Panel dimensions	2700 x 200 x 26 mm
Starter profile dimensions	2700 x 36 x 49 mm
End profile dimensions	2700 x 36 x 49 mm
External corner profile dimensions	2700 x 36 x 36 mm
Support batten dimensions	2700 x 25 x 40 mm
Material	Wood Plastic Composite
Installation direction	Vertical or horizontal
Rear ventilation	Required
Fixing method	Screws in tongue-and-groove joint
Colour variants	Sand, Oak, Light Grey, Anthracite, Dark Brown
FSC claim	FSC 100%

Performance

Property	Test method / condition	Value
Moisture content	EN 15534.1-2014	0.25%
Density	EN 15534.1-2014	1.320 g/cm ³
Linear mass	EN 15534.1-2014	2.92 kg/m
Impact resistance	EN 15534.1-2014	No crack
Water absorption	GB/T17657-2022	0.86%
Linear thermal expansion	EN 15534.1-2014	$48 \times 10^{-6} \text{ K}^{-1}$
Heat reversion	EN 15534.1-2014	0.16%
Reaction to fire	EN 13501-1:2018	D-s1,d1
Fungi classification	ISO 16869-2008	Rating 0
Resistance to artificial weathering	ISO 4892-2:2013, cycle 1	Grey scale 4.5; ΔE 0.30
Formaldehyde	EN 717-3:1996	<10 mg/kg
REACH / SVHC	Regulation (EC) No. 1907/2006	Pass

Safety and handling

Use suitable and sharp tools when sawing, drilling or cutting. Always work away from the body and use a stable cutting or sawing surface. Wear suitable personal protective equipment, such as safety glasses, gloves and a dust mask, when processing the panels, profiles or support battens.

Make sure the panels are securely fixed to a suitable substructure. Install and process the product out of reach of children.

Limitations

The WPC exterior panels are intended for decorative outdoor façade applications only. The product is not suitable as a load-bearing or heavy structural construction material.

The panels must always be installed on a suitable ventilated substructure. Direct installation onto the exterior wall without support battens and rear ventilation is not recommended.

The final performance depends on the condition of the substrate, the suitability of the fastening materials, the installation method, the substructure and the environmental conditions. Always use screws and wall plugs suitable for the specific façade and substrate.