



Ceramapanel Screw Fix

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Detailed description

A through coloured, compressed fibre cement facade panel available in 8 mm, 10 mm or 12 mm thicknesses, in A2-s1, d0 or A1 rating as required. It is both an aesthetically appealing and cost-effective cladding solution offering a natural look appearance. It also has excellent good acoustic dampening properties.

Features and benefits:

- Non-combustible - Achieves A1 or A2 rating.
- Cost effective.
- Impact resistant.
- Proven performance in harsh environments.
- Short lead times and fast installation timeframes.
- Panels supplied pre-squared.
- Long lasting.
- Low maintenance.
- Can be finished off-site for easy and efficient installation.
- High strength and environmental durability.
- Through coloured.
- Sound dampening benefits.
- Graffiti resistant when coated with acrylic treatment (natural+ range).
- Wide range of colours and finishes available.
- Ten-year warranty.

Applications:

Particularly suited to both internal and external modern commercial, residential and industrial buildings, where a natural facade is needed.

Product guidance - As Standard

Material:

Fibre cement concrete.

Fixing:

Screw fixed to timber substructure. For screw fix using 4.8 mm diameter screws, use 4.9 mm drill bit for fixed points and 9.4 mm for sliding. Fixing should be spaced 45–70 mm from horizontal edge and 25–50 mm from vertical edge.

Technical characteristics:

- Density: 1600 kg/m³ (±50).

Valcan Ltd



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- Modulus of elasticity (dry): Longitudinal: 14 GPa; transversal: 12 GPa.
- Modulus of elasticity (wet): Longitudinal: 11 GPa; transversal: 9 GPa.
- Bending strength (wet, untreated): ≥ 18 MPa.
- Bending strength (wet, hydrophobic treated sheet, acrylic coated): ≥ 24 MPa.
- Bending strength (dry): Longitudinal: 32 MPa; transversal: 22 MPa.
- Compressive strength: 40 MPa.
- Maximum water absorption (untreated): $25 \pm 2\%$.
- Maximum water absorption (hydrophobic treated sheet): $9 \pm 3\%$.
- Maximum water absorption (acrylic coated sheet, acrylic coated): $3 \pm 2\%$.
- Vapour resistance factor (to EN 12572: 2016): 320 μ .
- Thermal conductivity (to EN 12664: 2002): 0.42 W/mK.
- Durability classification (to EN 12467: 2016): Category A.
- Strength classification (to EN 12467: 2016, untreated sheets): Class 4.
- Strength classification (to EN 12467: 2016, treated sheets): Class 5.

Durability:

The cement panel is highly durable and includes immunity to permanent water damage in both short and long-term exposure. It will not rot, burn or corrode and is unaffected by termites, air, steam, salt and sunlight. It is not adversely affected over a temperature range of -20 to +60°C.

Options

Colour:

Ceramapanel is available in two main colour ranges; the Natural range and the Natural+ range. The Natural + range is a coated finish and gives the colour a deeper, richer tone. This is an alkali-resistant varnish using a UV polymerizing system to make the sheets resistant to graffiti. This allows the panels to be cleaned more easily and maintained for many years.

Meanwhile, the Natural range resembles nature's earth tones and has a much more natural look.

Product specification

Manufacturer

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Product reference	Ceramapanel Screw Fix
Thickness	8 mm - 14.4 kg/m ² . 10 mm - 18 kg/m ² . 12 mm - 21.6 kg/m ² .
Panel size (l x w)	2500 x 1250 mm 3050 x 1250 mm
Fire rating (to BS EN 13501)	A1 A2-s1, d0
Finish	<p>Natural Contour Groove - 2 mm deep grooves which can be adjusted according to design intent, not available with 8 mm.</p> <p>Natural Contour Lines, Raw - Lines are spaced further apart to give the appearance of planks, smooth sanded finish, not available with 8 mm.</p> <p>Natural Contour Lines, Touch - Lines are spaced further apart to give the appearance of planks, ribboned effect finish, not available with 8 mm.</p> <p>Natural Textures Raw - Smooth sanded finish ideal for clean, modern facade finishes.</p> <p>Natural Textures Sandblasted - Finely textured, mottled finish for a classic slightly weathered finish.</p> <p>Natural Textures Shot-Sawn - Smooth but pitted surface giving depth and texture to the facade surface.</p> <p>Natural Textures Touch - Ribboned effect giving the panels a subtle grooved finish.</p> <p>Natural+ Textures Raw - Smooth finish with an anti-graffiti coating ideal for clean, modern facade.</p> <p>Painted - Can be finished in any RAL or Pantone colour.</p> <p>Printed - Insert requirements.</p>
Colour	<p>Natural - 13 colours available, consult manufacturer's literature and insert requirements.</p> <p>Natural + - 13 colours available, consult manufacturer's literature and insert requirements.</p>