



GFRC M2 'Norskreen' Cladding System

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Detailed description

Durable, very lightweight and high performance advanced fibre reinforced pre-cast concrete open jointed ventilated rainscreen system available in a standard range of colours and surface finishes. They can be moulded to form standard profiles or almost any shape that is required by the project. Window returns, column surrounds, roof level profiles can all be cast into individual cladding panel units.

The panels have a 50-50 sand cement matrix in a typical wall thickness of 12–15 mm thick. Hollow rib profiles created around the perimeter and across the rear face at designed centres provide the structural integrity of the components. These ribs are between 50–100 mm in depth and are not visible once the façade is assembled.

Features and benefits:

- 10 year warranty.
- GRC is BREEAM A+ rated in the BRE Green Book.
- 80% lighter in relation to normal pre-cast steel reinforced concrete cladding.
- Does not rust.
- Bespoke systems available.

Product guidance - As Standard

Fixing:

Supported by a lightweight aluminium carrier system fixed with a specially designed clip system. Can also be supported by timber wall construction.

Panel thickness:

12–15 mm.

Surface:

Closed and extremely dense.

Weight:

40–50 kg/m².

Technical properties (at 28 days):

- Modulus of rupture flexural strength: 18–30 N/mm².
- Limit of proportionality flexural strength: 5–10 N/mm².
- Ultimate tensile strength: 8–12 N/mm².
- Bend over point tensile strength: 4–6 N/mm².
- Interlaminar shear strength: 2–4 N/mm².



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- In-plane shear strength: 7–12 N/mm².
- Punching shear strength: 25–25 N/mm².
- Charpy impact strength: 15–25 N/mm².
- Dry bulk density: 1800–2100 kg/m³.
- Water absorption: 8–13%.
- Apparent porosity: 16–25%.

Product specification

Manufacturer

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Product reference GFRC M2 'Norskreen' Cladding System

Panel size (h x w) []

Finish Abrasive grit blasted
Acid etched
Coloured
Smooth
Textured

Colour Natural aggregate
Pigmented