



## GFRC M4 Cladding System

Generated on 14.10.2019

### Detailed description

Durable, very lightweight and high performance advanced fibre reinforced pre-cast concrete floor to floor cladding panels 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:

Can be fitted to a lightweight aluminium carrier system, timber frame construction, METSEC wall build up, brick or block work wall build up and in-situ concrete frames.

#### Panel thickness:

12–15 mm.

#### Surface:

Closed and extremely dense.

#### Weight:

50–70 kg/m<sup>2</sup>.

#### Technical properties (at 28 days):

- Modulus of rupture flexural strength: 18–30 N/mm<sup>2</sup>.
- Limit of proportionality flexural strength: 5–10 N/mm<sup>2</sup>.
- Ultimate tensile strength: 8–12 N/mm<sup>2</sup>.
- Bend over point tensile strength: 4–6 N/mm<sup>2</sup>.
- 

Telling Architectural Ltd



TellingArchitectural

#### Telling Architectural Ltd

Unit 4 E Station Road  
Four Ashes  
Wolverhampton  
West Midlands  
WV10 7DB

Tel: +44 (0)1902 797700

[www.telling.co.uk](http://www.telling.co.uk)  
[info@telling.co.uk](mailto:info@telling.co.uk)



Interlaminar shear strength: 2–4 N/mm<sup>2</sup>.

- In-plane shear strength: 7–12 N/mm<sup>2</sup>.
- Punching shear strength: 25–25 N/mm<sup>2</sup>.
- Charpy impact strength: 15–25 N/mm<sup>2</sup>.
- Dry bulk density: 1800–2100 kg/m<sup>3</sup>.
- Water absorption: 8–13%.
- Apparent porosity: 16–25%.

## Product specification

### Manufacturer

- Name: Telling Architectural Ltd
- Web: [www.telling.co.uk](http://www.telling.co.uk)
- Email: [info@telling.co.uk](mailto:info@telling.co.uk)
- Tel: +44 (0)1902 797700
- Fax: +44 (0)1902 797720
- Address: Unit 4 E Station Road, Four Ashes, Wolverhampton, West Midlands WV10 7DB

<b>Product reference</b>	GFRC M4 Cladding System
<b>Panel size</b>	4000 x 2000 mm - Standard. Special order - Insert requirements.
<b>Joints</b>	Closed Open
<b>Finish</b>	Abrasive grit blasted Acid etched Coloured Smooth Textured
<b>Colour</b>	[ _____ ]