

GRC Cladding System



APPLICATIONS & BENEFITS

- Glass Reinforced Concrete (GRC) wall panels designed for modern construction, and offering a perfect balance of style and performance for interior and exterior applications. Whether you're working on residential, commercial, or hospitality projects, our panels provide a reliable and cost-effective solution.
- R1 Fire Resistance
- External and internal use
- Cost effective
- Simple bracket system reduces installation time
- Natural concrete textures & finishes
- Flexible design options to fit any concept
- Sustainably produced made using EPD-certified concrete with minimal environmental impact
- Low maintenance and ideal for high-traffic spaces
- Short lead times and UK wide delivery



TECHNICAL INFORMATION

Available Sizes:

595 x 595 x 20 mm
1193x 595 x 20 mm
1492 x 595 x 20 mm

Maximum dimensions of one standard panel must not exceed 1200 x 1200 mm

Maximum dimensions of special format panel must not exceed f 3300 x 1200 mm

OTHER SIZES ON REQUEST | WEIGHT: 44kg/m²/20mm

COMPOSITION: Cement - selected sand - specially designed additives and UV stable pigments

MECHANICAL PROPERTIES

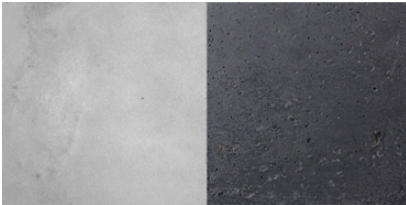
Yield strength (modulus of rupture)	5-8 mpa
Tensile strength (modulus of rupture)	2-5 mpa
Compressive strength	20-30 mpa
Impact strength	5-10 KJ/m ²
Thermal expansion coefficient	20 x 10-6/°C
Absorption	Low water permeability
Dorry wear	2.5 mm

TOLLERANCES

Thickness	+/-5%
Side straightness	+/-0.5%
Orthogonality	+/-0.6%
Planimetry	+/-0.5%
Length and width	+/-0.6%

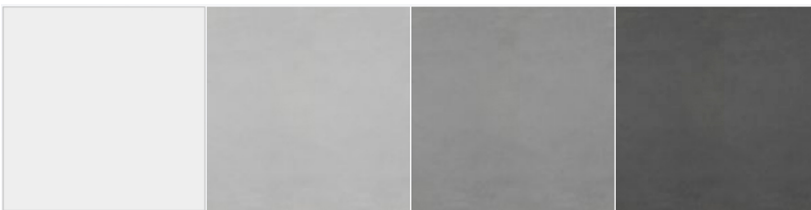
NOTE: These values are for reference only and are estimated as formulation. They may vary according to formulation, treatment and manufacturing processes.

TEXTURES & FINISHES



Silk (Smooth) Rough (Pitted)

AVAILABLE COLOURS



Pure

Common

Ash

Sable

COLOUR VARIATIONS

Because of its cementitious composition the colour of GRC panels may have different textures and tones within the same panel and / or in comparison to other panels in the same batch. Our colour selection chart is for reference use only and the colours are as close as possible to the original colours.

VERIFICATION OF THE AESTHETIC APPEARANCE

Please check and ensure that you are happy with the delivered product and there is no apparent visible defects. If any issues are detected do not start the installation and contact supplier immediately. No claims will be accepted after tiles have been installed.

CLEANNING & MAINTENANCE

- clean with neutral detergent
- use wax maintainers or self-polishing cleaners

PRODUCT INFORMATION

1. Product Description

- a) Living Concrete fibre-concrete panels are used as cladding for both interior and exterior walls.
- b) The panels are reinforced with polypropylene fibre, and in special cases (e.g., thicker panels), standard steel reinforcement may be added.
- c) Composition: aggregate, cement, polypropylene fibres, plasticizers (steel reinforcement may be included for nonstandard, thicker panels).
- d) Weight: 44 kg/m²/20mm

2. Storage and Transportation

- a) Living Concrete panels should be placed vertically on pallets, separated by polystyrene foam, strapped, and wrapped with stretch film. Large-format panels should be transported on stands or in wooden crate-pallets.
- b) Panels must be stored indoors or under a roofed area.
- c) Panels must be protected from weather conditions.
- d) Panels should be stored at temperatures above 0°C.
- e) After delivery, panels should be placed on a flat, level surface, and the straps should be cut within 48 hours.

3. Hazard Identification

- a) General hazard: The product does not pose risks when used as intended. It is non-flammable and does not degrade.

It does not undergo dangerous reactions.

- b) Toxicological hazard: None.
- c) Environmental hazard: None, provided that waste is managed according to legal requirements.

4. Dangerous Substances

- a) The product does not contain hazardous substances
- b) No other hazardous substances have been identified in the product.

5. Usage Conditions

- a) Panels are intended for both interior and exterior installation, with mandatory impregnation using hydrophobic agents.
- b) After delivery to the site, the panels should be placed horizontally in the installation area for at least 48 hours before installation.
- c) Impregnation is essential for proper use:
It must be applied after installation to reduce the risk of mechanical damage during handling.
Follow the manufacturers guidelines for the impregnating agent.
For horizontal impregnation, expect to use 150% of the standard consumption rate.
- d) Several days to a few weeks after installation, streaks may appear due to the hydrophobic treatment. These can be removed with a dry microfiber cloth or a microfiber cloth/sponge and water.
- e) Do not use: detergents, acids, corrosive agents, or high-pressure cleaning devices on the panels.
- f) Use the product according to its intended purpose, as specified by the manufacturer or applicable product standards.

6. Additional Notes

- a) Living Concrete panels are a raw material, and minor imperfections are not defects. Variations in hole size, colour, and dimensions are characteristic of architectural concrete.
- b) For courier-delivered products, the customer must inspect the shipment upon receipt. In case of damage, a protocol and photographic documentation must be prepared in the couriers presence as a condition for filing a complaint.

PRODUCT INFORMATION

Manufacturer Information

Detailed product specifications and installation instructions can be found in the product catalogue available at: <https://livingconcrete.co.uk>

Living Concrete informs that its polypropylene fibre-reinforced panels (with optional steel reinforcement for specific formats) are ready-made prefabricated elements for use in residential and public buildings as cladding for interior and exterior walls, facades, and elevations. These panels have been tested and certified to meet performance standards for wall-mounted applications only.

Living Concrete panels must be used only as intended. Living Concrete is not liable for any consequences resulting from misuse or improper installation.

Any alternative use of the panels is at the sole discretion and responsibility of the customer. Damage resulting from such misuse cannot form the basis for claims against Living Concrete.

For more details, refer to the Product Card available at <https://livingconcrete.co.uk/tech-data-downloads/>

Technical Support contact: sales@livingconcrete.co.uk