

Grade 10P (Pre Mix GRC)

Glassfibre reinforced concrete.

Application

Bespoke applications

Description

Glassfibre reinforced concrete, regularly referred to as GRC, is a durable non-combustible building material suitable for facade application. A lightweight alternative to traditional or wet cast stone, GRC allows building specifiers to save time and money across a project with accelerated installation and ease of handling.

Highly versatile in its appearance each GRC project is bespoke, individually tailored moulds can create any thing from simple profiles through to complex details and seamless curves. Design flexibility doesn't stop there at Chatsworth we have a range of different colours and textured finishes to further customize the final look and feel of your project. Have a look at our material gallery for inspiration.

Throughout the manufacturing process we have stringent quality check procedures in place, reassuring our clients and partners receive exactly what they specified.

Features and benefits:

- Lightweight high strength product.
- Bespoke products only - No standard range. Consult the manufacturer for details and assistance completing the specification information.
- Typical maximum sizes of panels that can be manufactured: 2 x 3 m / 6 m².
- Fire rated to A1 Classification.
- Manufactured to GRCA Specification 2021.
- Full Member of the GRCA - FM/1116.
- Standard Colours - Portland, Bath, Canterbury, Colwyn, Kendal, York - special colours available.
- Fixings - All stainless steel 1.4031 (304) grade, standard, 1.4401 (316) grade coastal.

General information

Color	Off White
Finish	Shot blasted
Material	Concrete
	Guidance for specification option:
	Glassfibre reinforced concrete
Shape	As per drawings

Length	1200mm
Width	150mm in widest point
Height	950mm
Uniclass	Pr 25 71 14 35 Glass fibre-reinforced concrete (GRC) cladding panels
CAWS	H40/130 Proprietary GRC components H92/120 Rainscreen cladding

Specification data - Glass fibre-reinforced concrete (GRC) cladding panels

Component type	Architectural Cladding Panels.
Production method	Pre-mixed GRC.
Guide mix design	To GRCA Specification Guidelines.
Impact resistance	-
Soft body	TESTED IN ACCORDANCE WITH CWCT TN76: 500 J.
Hard body	TESTED IN ACCORDANCE WITH CWCT TN76: 10 J.
Permeability	Tested to BS EN1170-6.
Fire performance	-
Reaction to fire	-
External face	A1 classification.
Internal face	Tested to EN 13501-1: A1 classification.
Form	-
Exposed faces	-
Surface texture	Smooth. Profiled.
Colour	Off White
	Guidance for specification option: Consult manufacturer for details.
Applied surface finish	Shot blasted.
Applied finish colour	- Manufacturer guidance Colour applied at mix but post painted possible on request. Consult manufacturer for details and insert requirements.
Fixings	-
Primary	All stainless steel 1.4031 (304) grade, standard, 1.4401 (316) grade coastal.

Water absorption	7%.
Bending strength	10 MPa.
Density	1950—2050 kg/m ³ .

Sustainability data

Contains Red List materials	No
Country of material origin	United Kingdom
Country of product manufacture	United Kingdom
Recyclability	Aggregate