

## Ready to use GRC Composite Material

### Description

**GRC RTU** is a one component blend of cement, silica sand, alkali resistant glass fibres, superplasticisers and polymers that have been specifically developed for use in GRC.

The ready to use composite material is supplied in a 25kg bag comprising redispersable powder polymers, viscosity modifiers and superplasticising systems.

**GRC RTU** will deliver enhanced early strength gain, improved flexural strengths, faster demoulding and improved dry curing times over traditional GRC admixtures and polymers.

### Applications

**GRC RTU** is a single component free flowing GRC premix product which just needs the addition of water.

**GRC RTU** can be used as a facing mix for GRC panels but can also be used in concrete countertops production and architectural elements.

### Benefits

- increased early age compressive strengths
- increased flexural strengths
- reduced shrinkage
- reduced water absorption
- eliminates waste
- lower film form temperature
- health and safety benefits
- improved surface finish



### Properties

#### **GRC RTU**

Compressive strength: @ 1 day	.0N/mm <sup>2</sup>
Flexural strength: @ 1 day	.0N/mm <sup>2</sup>
Shrinkage:	0.01%
Colour	White

### Addition Rates

1 bag (25kg) + 4.5 litres of water will give a flow of 200mm (GRC Flow Board)

### Standards

**GRC RTU** is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.

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### Compatibility

**GRC RTU** is compatible with all types of EN 197 cement systems and offers a wide range of benefits particularly in the production of free flowing concrete/grout.

### Storage

**GRC RTU** should be stored undercover, protected from extreme temperatures and stored unopened within the range 5°C and 30°C. Moisture ingress will cause the product to harden.

### Handling

Please refer to the **GRC RTU** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

### Packaging

**GRC RTU** is available in a 25kg bag.

### Batching order and mixing procedure

25kg of **GRC RTU** + 4.5 litres water.

- 1/ Add about 3/4 (3 litres) of water to a clean mixing vessel.
- 2/ Add approximately 15kg of the **GRC RTU** material to the mixing vessel containing the water and mix until homogenous.
- 3/ Add about half of the remaining water and mix.
- 4/ Add the remaining product whilst mixing.
- 5/ Scrape the sides of the vessel to remove any build up.
- 6/ Add the remaining water to suit and mix until required consistency is obtained.

These procedures are a guide and other methods may be employed.

Call the OSCRETE Technical Department for further information.

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#### **Disclaimer**

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