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.

**Applications**

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

**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 \( \geq 40.0 \text{N/mm}^2 \)
- Flexural strength: @ 1 day \( \geq 8.0 \text{N/mm}^2 \)
- Shrinkage: \( \leq 0.01\% \)
- 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.
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.

Disclaimer
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