

# GRC RTU

## Ready to use GRC Composite Material

### PRODUCT DESCRIPTION

**GRC RTU** is a one component blend of cement, silica sand, alkali glass resistant 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 redispersible powder polymers, viscosity modifiers and superplasticising systems.

**GRC RTU** will deliver enhanced early age strength gain, improved LOP and MOR, faster demoulding and improved dry curing times than traditional GRC admixtures and polymers.

### APPLICATIONS

**GRC RTU** is a single component free flowing GRC premix product which just requires the addition of water. **GRC RTU** can be used as a facing or backing mix for GRC panels and also used in the production of concrete counter-top production as well as architectural elements.

### BENEFITS

- Increased early age compressive strengths.
- Increased LOP.
- Increased MOR.
- Reduced shrinkage.
- Reduced water absorption.
- Eliminates waste.
- Lower film form temperature.
- Health & Safety benefits.
- Improved surface finish.

### PROPERTIES

Nature:	Powder
Appearance:	White
Compressive Strength:	> 40.0 N/mm <sup>2</sup> @ 1 day
Flexural Strength:	> 8.0 N/mm <sup>2</sup> @ 1 day
Shrinkage:	<0.01%

### ADDITION RATES

1 bag (25kg) + 4.5 litres of water will give a flow of approximately 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 temperature, frost and direct sunlight, the product has a minimum shelf life of 9 months. 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 25kg bags.

### BATCHING ORDER AND MIXING PROCEDURE

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

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

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

Please consult the OSCRETE technical department for advice on admixture selection.

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CONSTRUCTION PRODUCTS

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