

GreBond® 100

Bonding agent for concrete and mortar

Description

GreBond 100 is a white, milky emulsion concrete and mortar bonding agent.

Uses

GreBond 100 is formulated as a bonding agent for concrete, cement/sand mortar and masonry works. It is resistant to hydrolysis and is suitable for both outdoor and indoor applications.

GreBond 100 improve the mechanical, adhesive characteristics and waterproofness of cement mixtures.

Advantages

- Non toxic, suitable for use in potable water retaining structures.
- Easy to use, simple mixing instruction.
- Cost effective, economical to use.
- Water resistant, suitable for both outdoor and indoor applications. Does not re-emulsify when in contact with water.
- Excellent bond strength between mortar and concrete.

Typical Properties

Form	: Liquid emulsion
Appearance	: Milky white
Specific gravity	: 1.01 kg/L
pH value	: 9
Slant Shear bond strength (ASTM C1059:1991)	: > 1.5 N/mm ²

Surface Preparation

Substrate must be structurally sound and clean. Cement laitence, mould release agent, curing compound, oil, grease or any loose particle which may impair bond must be removed using effective means. Saturate substrate to receive **GreBond 100** slurry and modified mortars with clean water prior to application.

Mixing

Mechanical mixing using a low speed drill (600 rpm) fitted with a wing profile mixing paddle is recommended. Hand mixing should be avoided.

Application

1. As a bonding agent

Prepare the bonding slurry by pouring **GreBond 100** into appropriate container and mixing with cement in the ratio of 1:2 by volume to a homogenous consistency.

The homogenously mixed slurry is simply applied by brush ensuring the surface is wetted out. Do not over apply **GreBond 100** as slippage of mortar may occur in high build application. Apply the overlay onto the wet slurry. If slurry has dried out, apply a fresh coat. Always mix **GreBond 100** with cement as primer or bonding slurry.

2. As a cement modifier

Typical mix design for patching / repair mortars, bedding mortar for laying ceramic tiles and masonry works shall be as follows:

OPC	: 5 Kg
Sand	: 15 Kg
GreBond 100	: 1 Kg
Water	: Maximum 0.8 L

Cleaning

Wash brushes, tools and equipment with clean water immediately after use.

Packaging

GreBond 100 is available in 5kg, 20kg carboy and 200kg drum.

Shelf Life

GreBond 100 has a shelf life of 12 months when stored in original packing in a cool and dry environment.

Health & Safety

GreBond 100 is non-toxic but it should never be ingested. If it comes into contact with eyes, wash immediately with plenty of water and seek medical treatment. It is slightly alkaline and any skin contact should be avoided. **GreBond 100** is non-flammable.

Note:

Use the leaflet as a guide for the use of this product concerned. The information given is in accordance with the latest technical developments. However, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or the condition of the site involved.

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