

GreBond®

Bonding agent for concrete and mortar

Description

GreBond is a white, milky emulsion based on modified styrene butadiene polymer.

Uses

GreBond 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 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

Typical Performance Data

(Tested by SIRIM: Report No. 2018CB0436)

Slant shear bond strength : > 15 N/mm²
(BS EN 12615: 1999)

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** slurry and modified mortars with clean water prior to application.

Do not use pure **GreBond** as a primer or slurry, always mix it with cement.

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** into appropriate container and mixing with water and cement in the ratio of 1:1:2 by volume to a homogenous consistency.

The homogenously mixed slurry is simply applied by brush ensuring the surface is wetted out. Do not overapply **GreBond** 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.

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	: 1 Kg
Water	: Add to required workability

Packaging

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

Cleaning

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

Shelf Life

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



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.

Last updated by KH/APR 2018

