Repair Mortar Bonding Agent

Durabond - SBR.

An ISO 9001: 2008 Certified Company.

CONDURA Construction Chemicals Pvt. Ltd.

Durabond - SBR

Mortar and Screed modifier cum bonding aid

Technical Data Sheet

Uses

For modifying and improving bonding of floor toppings, renderings and mortars; repair of worn, damaged and spalled concrete, repair of large cracks; polymer modified floor screeds; waterproof plasters for masonry and slurries.

Advantages

- **Simple to use** - Single component, gauged as required.
- **High** - Provides excellent bond to concrete, adhesion plaster, masonry, stone work, etc.
- **Improves** -Gives weather resistant mortar with improved durability impermeability to chlorides and other harmful agents.
- **Reduces** - Provides waterproof screeds, plasters and Permeability slurries.
- **Increases** - Improved tensile and flexural properties strength allow thin applications.
- **Versatile** - Compatible with all common hydraulic cements.
- **Cost effective** - Durabond SBR is economical to use

Description

Durabond SBR is modified styrene butadiene emulsion specially designed for use as a bonding aid and gauging liquid for cementitious systems. It is resistant to hydrolysis and can therefore be used for external applications too.

Properties

Typical mechanical properties of 1: 3 cement sand mortar at W/C - 0.45 for control and W/C - 0.35 for mortar containing Durabond SBR (5 lites / 50 kg cement).

Chemical resistance:

Cementitious based materials have limited chemical resistance. The addition of Durabond SBR to cement mortars reduces permeability and therefore helps reduce the rate of attack by aggressive chemicals.

Application instructions

Surface Preparation:

The object of the surface preparation is to achieve a clean sound surface with a good mechanical key. All substrates should be cleaned and free of dust, plaster, oil, paint, grease, corrosion deposits, and any other deleterious substances. Laitance should be removed by mechanical means. Smooth substrates must be mechanically roughened e.g. by scrabbling, needle gun or grit blasting to provide an adequate key. Corroded reinforcing steel should be exposed around its full Circumference and cleaned to remove all loose scale and corrosion deposits. It is always preferably to clean the steel to a bright condition. Use of emery cloth, grit or sand blasting is recommended.

Priming

Reinforcing steel must be primed with suitable Primer immediately after cleaning. The concrete substrate should be thoroughly dampened with water and any excess removed before being primed by thoroughly scrubbing in a slurry coat of 1 volume Durabond SBR to 1 volume water to 3 volumes fresh cement. In order to obtain a smooth consistency the cement should be blended slowly into the liquids. Stir frequently during use to offset settlement. Durabond SBR Avoid 'puddling' of the slurry coat. The topping must be applied on to the wet slurry. If the slurry dries out it must be removed and the clean substrate reprimed.

Typical Mix designs:

1. Patching and repair mortars and plaster for masonry

Cement 50 kg
Zone II sand 150 kg
Durabond SBR 5 - 9 litres
Recommended water addition 11 - 15 litres
Recommended thickness 8 to 30mm

2. Heavy duty floor screeds

Cement 50 kg
3-6mm Granite chips 75 kg
Zone II sand 75 kg
Durabond SBR 5-9 litres
Recommended water addition 8-12 litres
Recommended thickness 10-25mm
The screed should be of a semi-dry cohesive consistency.

Packaging

1, 5 and 20 & 200 litre containers.

Coverage

Slurry primer - approximately 4- 5 m2/ litre depending on substrate porosity.

Shelf life

Durabond SBR has a shelf life of 12 months if kept in a dry store in unopened condition.

Condura Construction Chemicals Pvt. Ltd.
www.condura.co.in
Email : Info@Condura.co.in