

BOND CRETE SUPER

Single Component Acrylic Co-polymer for Waterproofing application

Description

BOND CRETE SUPER is an acrylic emulsion formulated to be mixed with cement on site or simply brush applied over concrete or masonry surfaces to provide an effective waterproof membrane and thus improves the tensile and flexural strength properties of the mortar.

Features and Benefits

- Allows the concrete to breathe
- Provides a tough, impermeable waterproof membrane
- Excellent adhesion to concrete and masonry surfaces
- Can be easily applied on horizontal and vertical surfaces with brush
- Protects concrete and mortar from natural elements such as wind, rain, sunlight.

Areas Of Application

- Sunken portions of toilets & bathrooms, chajjas, masonry surfaces, kitchen, sewers, residential water tanks etc.
- Roofs, chajjas, terraces and balconies.
- For waterproofing damp walls
- External top terrace

Application Methodology

Surface Preparation

Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance and dust .In case of badly honey combed surfaces give a layer of screed or plaster to make it worthy to receive the treatment.

Priming

Before application, the surface should be primed with Bond crete super as follows:

1 part of Bond crete Super : 2 parts of Water : 4 parts of Cement

Topcoat

Bond crete super must be thoroughly mixed with cement in the ratio of 1: 2 respectively, using a low speed electric stirrer (300-400rpm) or other suitable equipment to obtain uniform, consistent and lump-free slurry.

Apply 1st coat and allow it to dry for approximately 5 to 6 hours. Apply 2nd coat and allow it to air cure for at least 3 days. Protect the coating with a mortar screed of 15-25mm thick from damage.

Plaster over Vertical surfaces shall be done when the 2nd coat is tacky to ensure better bond with the surface.

As Bonding Agent:

Clean the surface thoroughly of its loose concrete, dust etc. and pre wet with water to a SSD (Saturated Surface Dry) condition. Ensure that there is no standing water. Brush apply a single coat over the clean surface, allow this coat to become tacky and then apply fresh concrete/mortar. If bond coat is dried, apply another to ensure effective bonding.

Use as Repair Mortar modifier:

A suitable mix ratio for patching repair mortar is as follows: Mix design – Cement 50 Kg: Washed sand 150 Kg, Bond crete super 5 to 7.5 Kg and Water 10 Ltr (sufficient water can be added to give the required consistency).

Properties

Appearance	Milky White
Solid Content	45 to 48%
Specific gravity	1.02 +/- 0.02gm/cc
pH	7 – 9
Pot life @30c	30 min
Toxicity	Non toxic
Mixing ratio	1 part : 2 Part (Liquid : Cement)

Coverage

1 kg of Bond crete super when mixed with 2 kg of cement will give coverage 2 to 2.5 sq.m for 2 coats.

Note : However the practical consumption varies depending on the texture and porosity of the surface and the application thickness.

Packaging

Available in 1, 20, 50, 220 Kg packs

Storage

Bond crete super has a shelf life of 12 months, when stored in unopened containers under normal warehouse conditions.

Health & Safety

Bond crete super is water based and non-toxic. Gloves should be worn during application. Any splashes on the skin or eyes must be washed off with clean water. Incase of prolonged irritation medical advice should be sought.