

CAC®-BONDING AGENT

Acrylic based Bonding Agent

CAC®-BONDING AGENT is an aqueous pure acrylic polymer emulsion based waterproofing liquid & bonding agent for old and new cementitious substrates.

AREA OF APPLICATION:

- As a bonding aid between old and new concrete / mortar.
- Water resistant plasters or renders.
- Useful as additives for making repair mortars / concretes.
- Useful as a primer for repair mortars both for vertical and overhead applications.

Advantages:

- Excellent adhesion to cementitious substrates.
- Compared with unmodified mortars, **CAC®-BONDING AGENT** modified mortars have superior Flexural, Compressive, Adhesive and Impact strength, as well as excellent abrasion resistance.
- Excellent waterproofing capability and widely used for waterproofing of floors, rooftops, basements and maintenance of seepage and leakage.
- It can be used for crack filling and as tile jointing compound by mixing with white cement.
- Reduces cracking in mortar and screed.
- Suitable for internal & external applications.

METHOD OF APPLICATION:

The quality of surface preparation has a direct influence on the effectiveness of bonding agent. Remove loose, contaminated or damaged concrete and concrete around corroded reinforcing steel, to leave a gap of 20mm behind steel. Clean the steel bars by mechanical wire brushing. Before applying the **CAC®-BONDING AGENT**, the clean substrate should be soaked with sufficient amount of clean water for a minimum period of 1 hour. Remove standing surface water from substrate.

Apply **CAC®-BONDING AGENT** using a long brush in a circular motion, forcing the bonding agent into the pores & crevices, and ensuring the surface is completely covered.

Apply the fresh concrete or repair mortar while the primer is still wet or tacky. Re-apply the bonding agent, if it had gone dry.

Brush and other equipments may be washed with water immediately after used.

COVERAGE:

1. As Bonding Agent:

- It can be directly applied on the substrate, the coverage is about 4-7m²/ litre depending on the substrate absorption.
- **CAC®-BONDING AGENT** can be mixed with cement sand slurry and applied by brush as bonding agent.

The mix details (in kg) is-

Cement : Sand : Water* :

50 : 50 : 20 : 10

* The water can be altered depending upon the type of sand, temperature, etc.

2. CAC®-BONDING AGENT for making polymer modified Cementitious mortars:

The mix details (in kg) for making mortar is-

Cement : Sand : Water : CAC®-Bonding Agent*

50 : 150 : 5 : 10

Mixing should be done thoroughly by a mechanical mixer and water has to be kept as low as possible.

* As per site conditions, CAC®-BONDING AGENT can be used between 15-20% by weight of cement (i.e. 7.5-10 kg per bag of cement).

TECHNICAL PROPERTIES:

| | |
|------------------------|---------------------|
| Appearance | White, milky liquid |
| Specific Gravity @30°C | 1.050 ± 0.050 |
| Solid content (%) | 46 ± 2.0 |
| pH | Min. 6 |

PACKAGING:

CAC®-BONDING AGENT is available in 01kg, 5kg, 20kg & 220 kg drum.

STORAGE:

CAC®-BONDING AGENT must be stored under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product should be stored in air-conditioned environment. Failure to comply with recommended storage condition may result in premature deterioration of the product or packaging.

The shelf life is 1 year when stored as recommended.

SAFETY PRECAUTIONS:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product get fully cured or dried). Treat splashes to eyes & skin immediately. Keep away from children & animals. If accidentally ingested, seek immediate medical attention. Re-seal containers after use. Do not re-use container for storage of consumable item.

Disclaimer:

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests and take trials to ensure on suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of the other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The Company does not assume any liability or any consequential damage for unsatisfactory results, arising from the use of our products.