

Product Data Sheet  
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Identification No. BA - 1



## KEMBOND A

Water Resistant Polymer Bonding Admixture

### Description

**KEMBOND A** a non re-emulsifiable, acrylic, latex bonding agent and admixture. Can be used as an admixture to enhance the performance properties of patching materials, mortars and cementitious coatings. Can be used for interior or exterior applications.

### Where to use

**KEMBOND A** is ideal for bonding new concrete to new concrete or new concrete to old concrete in interior or exterior applications. **KEMBOND A** is used to improve mechanical properties for waterproof cementitious coatings and slurries, polymer modified floor screeds, and for improving and bonding floor toppings, renderings and mortars, repair of spelled concrete and repair of large cracks. Also **KEMBOND A** used with cementitious compositions such as patching materials, grouts, masonry coatings, stucco coatings and masonry mortars to increase chemical resistance and performance.

### Advantages

**KEMBOND A** provides the following advantages :

- Excellent adhesion to concrete, masonry, stonework, plaster and block board and weather resistant mortar.
- Increase tensile strength, flexural strength, compressive strengths and chemical resistance over non-modified mortars.
- Single component and economic.
- Reduces permeability.
- Compatible with all common hydraulic cements.
- Increased resistance to dramatic climatic changes.
- Non toxic can be used with potable water.
- Compatible with all types of cement.

### Properties

Color	Milky white
Density	1.03 ± 0.01 Kg/lit.
Chloride content	Nil

### How to use

#### Surface preparation:

- Concrete surface must be sound ,clean , free of dirt, oil, grease, laitance and other contaminants that may act as bond breakers .
- Remove efflorescence, mineral salts, and fungus and form treatment.
- Excess laitance should be removed by an appropriate method.
- Surface should be saturated, surface dry (SSD).
- Smooth substrates should be mechanically roughened.
- Any steel in the repair area should be exposed around its full circumference and cleaned to remove all loose scale and corrosion deposits.

#### Mixing:

- For best results, mix thoroughly before each use.
- To obtain a smooth consistency the cement should be blended slowly into the liquid. Stir frequently during use to offset settlement.
- All surface must be primed by thoroughly scrubbing in a slurry coat of one volume **KEMBOND A** to one volume water to three volumes fresh cement.

#### Mixing Ratio:

- From 1:1 by volume **KEMBOND A** to clean water.
- Till 1:2 by volume **KEMBOND A** to clean water depending on the needed bonding strength.

**Application:**

- Dampen the surfaces immediately ahead of application and any excess water to be brushed off.
- All surfaces including edges must be primed.
- All applications should be wet on wet, the primer must not be allowed to dry.
- The level of added water in the mix designs may need adjusting to achieve the required consistency. In general water content should be kept to the minimum necessary.
- For consistent performances the use of clean, dry sand is recommend. Where wet sand is used, reduce the added water level as appropriate.
- Cure mortars properly using a curing membrane to prevent rapid drying of the mortar.
- Protect uncured mortar from frost.
- Do not re-temper mortar or primer after initial set.
- Do not apply when temperature is 5°C or due to fall below 5°C within 24 hours.
- Consult your **PROKEM** office if further advise is required.

**Cleaning:**

Application tools should be washed with soap and water immediately after using.

**Theoretical Coverage:**

0.3-0.6 kg /m<sup>2</sup> /cm thickness (depending on the application and w/c ratio , cement content .

**Packaging:**

5 , 20 kg , pails and 120 , 200 kg. drums

**Shelf life & Storage:**

**KEMBOND A** Shelf life at least 12 months, in original sealed containers, also it must be Protect from direct sunlight.

**Health and Safety**

- **KEMBOND A** is non-toxic if come in contact with skin.
- Use gloves to avoid contact with skins.
- If skin comes in contact, wash immediately with soap and water.
- Do not use solvents.
- Eye contamination must be immediately washed with water, then seek medical treatment.

**Additional Information**

**PROKEM** provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.

**PROKEM** designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction, **PROKEM** extends technical services to include after sales support to assist users in a proper handling of our products.

**Environmental Considerations**

**KEMBOND A** is environmentally safe .