

Product Data Sheet
Edition 07.2008
Identification No. MA - 4



KEMBOND A

Water resistant polymer bonding admixture

Description

KEMBOND A is a styrene-acrylic co-polymer latex specially designed for use as bonding admixture for cementitious systems. It increases water resistance, wear resistance and durability.

Where to use

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 spalled concrete and repair of large cracks.

Advantages

- Excellent adhesion to concrete, masonry, stonework, plaster and block board and weather resistant mortar.
- Single component, pre-packed in an easy to handle size.
- Reduces permeability.
- Compatible with all common hydraulic cements.
- Improves tensile, flexural and compressive strengths.
- Economic.
- Non toxic can be used with potable water.

Properties

- Colour : milky white
- Density : 1.03 ± 0.01 Kg/lit.
- Chloride content : Nil
- Compatible with all types of cement.

How to use

Surface preparation:

- Concrete surface must be sound and clean.
- Remove efflorescence, mineral salts, and fungus and form treatment.
- Excess laitance should be removed by an appropriate method.

- 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:

- 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.

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- 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.

Theoretical Coverage:

0.3-0.6 kg /m² /cm thickness (depending on the application and w/c ratio , cement content .

Packaging:

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

Storage:

KEMBOND A has a shelf life of 12 months if kept in original packaging in a dry condition.

Health and Safety

- Use gloves and protective clothing.
- Avoid contact with eyes. If it comes into contact wash immediately with fresh water and ask for medical advice.
- Equipment and tools to be cleaned immediately after use with clean water.

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.