

Product Data Sheet
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KEMBOND LX

Water Resistant Polymer Bonding Admixture

Description

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

Where to use

KEMBOND LX 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. **KEMBOND LX** may also be used to prime plaster cracks by brushing into the crack before filling with plaster. This assures a long lasting, tight bond of the patch to the original surface.

Advantages

KEMBOND LX provides the following advantages :

- Excellent adhesion to concrete, masonry, stonework, plaster and block board.
- Produce weather resistant mortars.
- Single component, prepacked in an easy to handle size.
- Improves cohesion and workability.
- Reduces permeability.
- Compatible with all common hydraulic cements.
- Improves tensile, flexural and compressive strengths.
- Improve cohesion and workability .
- Applicable for overhead or vertical repairs.
- Bonds concrete and plaster to difficult surfaces such as dense or slick concrete.

Properties

Color	milky white
Density	1 ± 0.01 Kg/lit.

How to use

Surface preparation:

- Concrete surface must be sound and clean.
- Remove efflorescence, mineral salts, 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 surfaces must be primed by thoroughly scrubbing in a slurry coat of one volume **KEMBOND LX** to one volume water to three volumes fresh cement.

Mixing design :

1 – Patching and repair mortar

Cement	50 Kg
Clean sharp sand	150 Kg
KEMBOND LX : Water	1 : 1

Recommended thickness 6 to 40 mm.
Recommended thickness in case of renders 6-9 mm per layer.

2 – Heavy duty floor screeds

Cement	50 Kg
3 – 6 mm granite chips	75 Kg
Clean sharp sand	75 Kg
KEMBOND LX : Water	1 : 1

The screed should be of a semi – dry cohesive consistency.
Recommended thickness 10 – 25 mm per layer.

3 – Bonding of slip bricks, tiles etc.

Cement	50 Kg
Clean sharp sand	125 Kg
KEMBOND LX : Water	1 : 1

Water is adjusted to give a form mortar. For fine joints use sand . Support where necessary until the mortar is set . Recommended thickness 6 to 40 mm.

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.
- 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 retemper 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 advice is required.

Cleaning:

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

Packaging:

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

Theoretical Coverage:

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

Shelf life & Storage:

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

Health and Safety

- **KEMBOND LX** 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 LX is environmentally safe .