

Product Data Sheet
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Identification No. MA - 2



KEMBOND SBR

Water resistant polymer bonding admixture

Description

KEMBOND SBR 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 SBR 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.
- 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 .
- Economic.
- Bonding between new and old concrete when mixed with cement as slurry without adding water .

Physical Properties

Colour	milky white
Density	1.00 ±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 SBR 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 SBR : Water
1 : 2

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 SBR : Water

1 : 2

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 SBR : 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^oC or due to fall below 5^oC within 24 hours.
- Consult your PROKEM office if further advice is required.

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 .

Storage:

KEMBOND SBR 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 when there is critical applications that require specific requirements.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.