

Product Data Sheet
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Identification No. BA - 3



KEMBOND SBR

Water Resistant Polymer Bonding Admixture

Description

KEMBOND SBR is a styrene butadiene co-polymer emulsion for use as a primer; bonding agent and admixture to cement-based mixes to improve water-resistance, adhesion strength and long-term durability. It is a safe to use and can be applied to a wide range of building materials in applications where contact with water is likely.

Where to use

KEMBOND SBR is used as a water-proof bonding agent when mixed as a slurry with neat cement and can readily be incorporated into mixes of sand cement screeds, plasters and renders, giving a water reducing and plasticizing effect, as well as improving wet-tack and adhesion of the render to the existing base masonry.

KEMBOND SBR is an excellent primer for porous surfaces such as gypsum plaster, old / worn concrete; sand cement screeds and render by reducing porosity, surface dusting and improving initial tack.

Advantages

KEMBOND SBR provides the following advantages :

- Excellent adhesion to concrete, masonry, stonework, plaster and block board.
- Produce weather resistant mortars.
- Single component.
- Improves cohesion and workability.
- Reduces permeability and cracking of mortar.
- Compatible with all common hydraulic cements.
- Improves tensile, flexural and compressive strengths.
- Improve cohesion and workability .
- Readlily fills voids in sandwiched applications.
- Bonding between new and old concrete when mixed with cement as slurry .

Properties

Color	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 °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.

Theoretical Coverage:

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

Packaging:

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

Shelf life & Storage:

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

Health and Safety

- **KEMBOND SBR** 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 SBR is environmentally safe .