

Product Data Sheet  
Edition 07.2008  
Identification No. MA - 3



## KEMLATEX SBR

Water resistant polymer bonding admixture

### Description

**KEMLATEX S.B.R.** is a styrene-butadiene resin specially designed for use as superior bonding admixture for cementitious systems. It increases water resistance, wear resistance, chemical resistance, flexural and tensile strength.

### Where to use

**KEMLATEX S.B.R.** 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, plasters and blocks board and weather resistant mortar.
- Hi strength floor screed.
- Single component, pre-packed in an easy to handle size.
- For tiles adhesive systems (swimming pools).
- Reduces permeability.
- Reduces shrinkage.
- Compatible with all common hydraulic cements.
- Improves tensile, flexural and compressive strengths.
- Economic.
- Non toxic can be used with potable water.
- Bonding between new and old concrete when mixed with cement as slurry with mixing ratio  
1 Kemlatex : 2 water

### Properties

Colour	Milky white
Density	1.02±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 KEMLATEX S.B.R. to one volume water to three volumes fresh cement.

#### Mixing Ratio:

- From 1:1 by volume KEMLATEX S.B.R. to clean water.
- Till 1:4 by volume KEMLATEX S.B.R. to clean water depending on the needed mix designs. Contact PROKEM technical office for further information.

### 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.

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- 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 advice is required.

**Packaging:**

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

**Theoretical Coverage:**

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

**Storage:**

KEMLATEX S.B.R. 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.