

# 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 safe to use and can be applied to a wide range of building materials in applications where contact with water is likely. it complies with **ASTM C1059 TYPE II**

**Kembond SBR is approved by the National Organization For Potable Water & Sanitary Drainage for sewerage applications**

### Where to use

- Kembond SBR is used as:
- Waterproof bonding agent when mixed as a slurry with neat cement
- Can readily be incorporated into mixes of sand cement screeds, plasters, and renders, water-reducing and plasticizing effect
- 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 concrete; sand cement screeds and render by reducing porosity
- As a surface dusting, and improving initial tack

### 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 cement
- Improves tensile, flexural, and compressive strengths
- Improve cohesion and workability
- Readily fills voids in sandwiched applications
- Bonding between new and old concrete when mixed with cement as slurry

### Properties

Color	Milky white
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Density	1.00 ±0.01 Kg/liter
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### Surface Preparation

- The 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
- To obtain a smooth consistency the cement should be blended slowly into the mixture contains **Kembond SBR** and water, while stir frequently during use to offset settlement

### Mix designs by volume:

### Mixing & Theoretical coverage

Use	Kembond SBR	Water	Clear sand	Aggregate	Cement
Bonding Agent	1	1:3	1	-	1
Patching and repairing mortar	1	2:3	3	-	1
Recommended thickness for repair work is 6 mm to 40 mm					
Recommended thickness in the case of renders is 6 to 9 mm per layer					
Heavy duty floor screeds	1	2	1.5	1.5	1
Recommended thickness is 10 – 25 mm per layer					
Plaster mortar	1	3	3	-	1
Bonding of slip bricks / tiles	1	1	2.5	-	1
Recommended thickness is 6 mm to 40 mm					

<b>Application</b>	<ul style="list-style-type: none"> <li>Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely particles</li> <li>Dampen the surfaces immediately ahead of application and any excess water to be brushed off</li> <li>All surfaces including edges must be primed</li> <li>All applications should be wet on wet; the primer must not be allowed to dry</li> <li>Water content should be kept to the minimum necessary</li> <li>For consistent performances the use of clean, dry sand is recommend.</li> <li>Where wet sand is used, reduce the added water level as appropriate</li> <li>Protect uncured mortar from frost</li> <li>Do not re-temper mortar or primer after initial set</li> <li>Do not apply when temperature is 5 °C or due to fall below 5 °C within 24 hours</li> <li>Consult your PROKEM office if further advice is required</li> </ul>
<b>Theoretical coverage</b>	0.3 - 0.6 Kg /m <sup>2</sup> (depending on the application and w/c ratio , cement content)
<b>Packaging</b>	5 Kg pails 20 Kg pails 120 Kg drums 200 Kg drums
<b>Shelf life &amp; Storage</b>	<b>Kembond SBR</b> Shelf life is at least 12 months, in original sealed containers, also it must be protected from direct sunlight
<b>Cleaning</b>	Application tools should be washed with soap and water immediately after use
<b>Health and Safety</b>	<ul style="list-style-type: none"> <li><b>Kembond SBR</b> is non-toxic if comes in contact with skin</li> <li>Use gloves to avoid contact with skins</li> <li>If skin comes in contact, wash immediately with soap and water</li> <li>Do not use solvents</li> <li>Eye contamination must be immediately washed with water, then seek medical treatment</li> </ul>
<b>Additional Information</b>	<p><b>PROKEM</b> 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</p> <p><b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction</p> <p><b>PROKEM</b> reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale &amp; delivery</p> <p>Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request</p> <p><b>PROKEM</b> extends technical services to include after-sales support to assist users in the proper handling of our products</p>