

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's 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
Density	1.00 ±0.01 Kg/liter
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 liquid and stir frequently during use to offset settlement
Mixing	Mix designs: 1 – Bonding • All surfaces must be primed by thoroughly scrubbing in a slurry coat of one volume Kembond SBR to one volume clean water to one volume sharp sand to three volumes of fresh cement 2 – Patching and repairing mortar • Cement: 50 Kg • Clean sharp sand: 150 Kg • Kembond SBR : Water 1:2 • Recommended thickness is 6 to 40 mm • Recommended thickness in the case of renders is 6-9 mm per layer 3 – Heavy duty floor screeds • Cement: 50 Kg • 3 – 6 mm proper aggregate: 75 Kg • Clean sharp sand: 75Kg • Kembond SBR : Water 1 : 2 • The screed should be of a semi-dry cohesive consistency. Recommended thickness is 10 – 25 mm per layer 4 – Plaster mortar • Cement: 50 Kg • Sand: 150Kg • Kembond SBR : Water : 1 : 1 to 1:3



	5 – 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 is 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 • 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
Theoretical coverage	0.3 - 0.6 Kg /m ² (depending on the application and w/c ratio , cement content)
Packaging	5 Kg pails 20 Kg pails 120 Kg drums 200 Kg drums
Shelf life & Storage	Kembond SBR Shelf life is at least 12 months, in original sealed containers, also it must be protected from direct sunlight
Cleaning	Application tools should be washed with soap and water immediately after use
Health and Safety	• Kembond SBR is non-toxic if comes 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 reserves the right to change the properties of its products All orders are accepted subject to our current term of sale & delivery 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 PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products

