

Kemlatex SBR

Water Resistant Polymer Bonding Admixture

Description	Kemlatex SBR is a styrene-butadiene resin that imparts beneficial property improvements to cementitious mixes. After appropriate dilution with water, the resultant liquid may be used to gauge the cementitious mix to the desired consistency. Reduced water/ cement ratio leads to superior mechanical properties and resistance to moisture ingress. It also increases water resistance, wear resistance, chemical resistance, flexural and tensile strength. it's complying with ASTM C 1059 Type II, C882, D2834, E313														
Where to use	Kemlatex SBR is used for: - Improving mechanical properties for cementitious mixtures - Polymer-modified floor screeds - improving and bonding floor toppings - Repair large cracks, concrete repair, and external renderings waterproofing and tanking - Fixing brick slips and tiles - Enhance rendering inside manholes for further protection - Pre-cast concrete units or beams with reinforcement														
Advantages	- Excellent adhesion to concrete, masonry, stonework, plasters, blocks board, and weather-resistant mortar - High-strength floor screed - Single component, pre-packed in an easy-to-handle size - For tiles adhesive systems specially for swimming pools - Reduces permeability - Resistant to many chemicals and mineral oils - Enhanced corrosion protection - Greatly reduces shrinkage - Compatible with all common hydraulic cement - Improves tensile, flexural, and compressive strengths - Similar thermal expansion and modulus properties to concrete														
Properties															
Color	Milky white														
Density	1.02 ±0.01 Kg/lit.														
Solid content %	32 – 33 %														
Whiteness	77 – 78														
Bond to concrete	4 – 5 N/mm ²														
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														
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 as per desired application Mixing Ratio: Bonding between new and old concrete & Mortar Admixture Cement : Sand : Kemlatex SBR : Water – 3 : 1 : 1 : 1 up to 4 parts by Volume The slurry should be laid onto the pre-wetted surface immediately to a thickness of 1 – 2mm while new layer should be applied as wet on wet application Repair Mortar <table border="1"> <tr> <td>Portland Cement</td><td>Clean sharp sand</td><td>Kemlatex SBR</td><td>Water</td></tr> <tr> <td>50 Kg</td><td>150 Kg</td><td>1 Part</td><td>3 to 4 Parts</td></tr> <tr> <td colspan="4">The mixture will approximately yield 90 Lit</td></tr> </table> - Contact PROKEM technical office for further information.			Portland Cement	Clean sharp sand	Kemlatex SBR	Water	50 Kg	150 Kg	1 Part	3 to 4 Parts	The mixture will approximately yield 90 Lit			
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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 • 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 • The mortar thickness can be between (6 - 40 mm)
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	Kemlatex 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	• Kemlatex 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.