

Kembond LX

Water Resistant Polymer Bonding Admixture

Description	Kembond LX is a styrene-butadiene co-polymer specially designed for use as a bonding admixture for cementitious systems. It increases water resistance, wear resistance, and durability. ASTM C1059 TYPE II
Where to use	Kembond LX 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 for waterproofing and tanking • Improve adhesion of tile adhesive for brick slips and tiles • Enhance rendering inside manholes for further protection • Pre-cast concrete units or beams with reinforcement • Kembond LX may also be used to prime plaster cracks by brushing into the crack before filling it with plaster. This assures a long-lasting, tight bond of the patch to the original surface
Advantages	• Excellent adhesion to concrete, masonry, stonework, plaster, and block board • Produce weather-resistant mortars • Single component, prepacked in an easy-to-handle size • Improves cohesion and workability • Reduces permeability • Compatible with all common hydraulic cement • Improves tensile, flexural, and compressive strengths • Improve cohesion and workability repairs • Bonds concrete and plaster to difficult surfaces such as dense or slick concrete
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
Mixing	• To obtain a smooth consistency the cement should be blended slowly into the liquid and stir frequently during use to offset settlement Mix designs: 1 – Bonding • All surfaces must be primed by thoroughly scrubbing in a slurry coat of one volume Kembond LX to one volume clean water to one volume clean sharp sand to three volumes of fresh cement 2 – Patching and repairing mortar • Cement: 50 Kg • Clean sharp sand: 150 Kg • Kembond LX: 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 LX: 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 LX: Water : 1 : 1 to 1:3

	5 – Bonding of slip bricks, tiles Etc. • Cement: 50 Kg • Clean sharp sand: 125 Kg • Kembond LX : 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 recommended. 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 • Consult your PROKEM office if further advice is required • The 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	Kembond LX 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 LX 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