

Kembond A

Water Resistant Polymer Bonding Admixture

Description	Kembond A is a non-re-emulsifiable, acrylic, latex bonding agent and admixture. It can be used as an admixture to enhance the performance properties of patching materials, mortars, and cementitious coatings. The material can be used for interior and exterior applications, and is complying with ASTM C1059 TYPE II	
Where to use	<ul style="list-style-type: none">• Kembond A is ideal for:• Bonding new concrete to new concrete or new concrete to old concrete in interior and exterior applications.• Improving mechanical properties for waterproof cementitious coatings and slurries• Polymer-modified floor screeds• Improving and bonding floor toppings• Renderings, mortars, repairing spalled concrete, and repair of large cracks <p>Also, Kembond A is used with cementitious compositions such as patching materials, grouts, masonry coatings, stucco coatings, and masonry mortars to increase chemical resistance and performance</p>	
Advantages	<ul style="list-style-type: none">• Excellent adhesion to concrete, masonry, stonework, plaster and block board, and weather-resistant mortar• Increase tensile strength, flexural strength compressive strength, and chemical resistance over non-modified mortars• Single component and economic• Reduces permeability• Compatible with all common hydraulic cement• Increased resistance to dramatic climatic changes• Non-toxic	
Properties		
Color	Milky white	
Density	1.027 ± 0.01 g/cm³	ASTM D1475
Bond strength	3 N/mm²	ASTM C1042 (Slant Shear)
Water absorption	5.09%	ASTM C642
Chloride content	Nil	
Surface Preparation	<ul style="list-style-type: none">• Concrete surfaces must be sound, clean, and free of dirt, oil, grease, laitance, and other contaminants that may act as bond breakers• Remove efflorescence, mineral salts, and fungus and form treatment• Excess laitance should be removed by an appropriate method• The surface should be saturated, and surface dry (SSD)• 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	
Theoretical coverage	• 0.3 - 0.6 kg /m² (depending on the application and w/c ratio)	

- For best results, mix thoroughly before each use
- 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 **Kembond A** to one volume water to one volume sand to three volumes fresh cement

Mixing**Repair Mortar O.P.C:**

Portland Cement	Clean sharp sand	Kembond A	Water
50 Kg	150 Kg	1 Part	2 Parts

The mixture will approximately yield 90 Lit

Flooring Mortar:

Portland Cement	Clean sharp sand	Coarse Aggregate 3 – 6 mm	Kembond A	Water
50 Kg	75 Kg	75 Kg	1 Part	2 Parts

The mixture will approximately yield 90 Lit

Tiling Mortar:

Portland Cement	Clean sharp sand	Kembond A	Water
50 Kg	75 Kg	1 Part	2 Parts

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 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 the initial set
- Do not apply when the 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)

Packaging

5 Kg Pails
 20 Kg Pails
 120 Kg Drums
 200 Kg Drums

Shelf life & Storage

Kembond A Shelf life of 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 A** 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 structures

PROKEM designs tailor-made products should there be a 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 terms 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