

Description

Modified Polymer Cementations Flexible Water Proofing Membranes

Liq Seal Water Proofing Compound

- ✓ Flexible waterproofing cementations slurries are used like wood, steel, aerated light weight blocks and gypsum.
- ✓ Ready-to-use (Powder-form) dispersion-bound waterproofing membranes provide an extremely high and long-lasting flexibility and very good adhesion on all inorganic and organic substrates
- ✓ Elastic Crack filling Compound with good compression strength.
- ✓ Water Pressure Resistance up to 7 Bar.
- ✓ Crack bridging 0.75mm
- ✓ Consolidation and hydrophobation of mineral construction materials and sand
- ✓ Generates water-vapor permeable.
- ✓ Excellent reduction of water uptake and soluble salts (e.g. chlorides)
- ✓ Significantly reduces the formation of white deposits on treated surfaces
- ✓ Resistant against alkaline environment.
- ✓ Apart from protecting the exterior of building constructions, there is a multiplicity of waterproofing materials for interior use, as for bath rooms, toilets, swimming pools, water tanks, etc.
- ✓ Improves Paint Coverage Area.

Application Area

- ✓ **Roofing:** has to prevent as an external layer water intrusion in horizontal or slightly inclined directions Ex. Terrace.
- ✓ **Below-grade waterproofing:** materials and measures that prevent surface and ground water or water under hydrostatic pressure from entering into a structure or its components. Ex. Under Ground Water Storage tank.
- ✓ **Flexible Crack Sealer:** for crack size up to 10mm.
- ✓ **Above-grade waterproofing:** a combination of materials or systems that prevent water intrusion into exposed structure elements, including protective decorative barrier systems Ex. Exterior walls.
- ✓ **Damp-proofing:** materials which reduce or prevent water vapor transmission and which are resistant to water vapor or minor amounts of moisture; these systems may act as back-up systems to primary water-proofing materials. Ex Bathroom wall.

Note:

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Warranty:

The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and responsibility is limited to the quality of supplies with no guarantee of results in the field, as manufacturer has no control over site conditions or execution of work.

Application Method

Step 1

Before applying cementations systems, the substrates must be free of dirt, laitance, release agents, and other foreign materials.



Step 2

The substrate must be sound and solid, all tie holes honeycomb, and cracks must be filled with LiqSeal.



Step 3

Primer Coat: Primer coat can be made using 1 part of LIQ SEAL and 1 part of water .It can be applied by using brush or roller.

WATER REPELLENT Apply Primer & Water Proofing Coat



Step 4

Water Proofing Coat: Mix 2 part of LIQ SEAL with 1 part of water till constancy is achieved ie Paint Mix Paste.



WATER REPELLENT Natural Colour of Liq Seal Water Proofing Coat

All cementations waterproofing sealing slurries or membranes have to be applied in such a way that after drying a layer with a thickness of at least 2 mm will result. This is generally obtained only with multiple coating, mostly with two or three coats (typical drying time is 2 to 5 hours before application of the second layer).

In order to assure the imperviousness of the membrane, at least 2 coats have to be applied in order to seal pores and micro cracks which may have been formed or left within the first coat, even if a layer of 2 mm or more.

Application can be done using trowel, brush or roller and allow it to dry for 24 hr.

- ✓ Approx Coverage 8-10 * sq Feet per kg of Three Coats(Primer + 2 Coats) depends surface
- ✓ Pack Size of 25 KG, in White and Grey base

Test Results

The Physical and application properties of waterproofing compound are as given below

Test Results				
Sr. No.	Properties	Observation		
1	Appearance	Powder		
2	Colour	White		
3	Water demand (ml)for 100 g of sample	28.0		
4	Application	by brush.		
5	Touch dry	40 -- 50 minutes		
6	Pot Life	45 min		
7	Final appearance	After the application of 2 coats, no brush marks.		
8	Tensile Adhesion Strength (N/mm ²), on concrete block	After 28 d sc	MV	1.97
		After 7 d sc + 21 d water	MV	0.87
		After 14 d sc + 14 d 70 °C	MV	2.34
9	Crack over bridging	After 28 d sc	MV	>0.75 mm
10	Water Impermeability	After 28 d sc, positive pressure	MV	Passes 7 bar

Where, **d** = days, **sc** = standard climate (23°C± 2, 50%± 5 RH, **MV** = mean value)