

COLOR MEMBRANE

ACRYLIC LIQUID WATER PROOFING MEMBRANE

DESCRIPTION

ACRYLIC COLOR MEMBRANE is a liquid membrane, which is a highly elastic, solvent free, natural rubber like ACRYLIC water proofing system.

It is a one component and not a complicated mixture. It is supplied ready-to-use for cold application. It forms flexible coating, which can be painted over if a light, reflective surface is preferred. Acrylic Color Membrane contains no solvent and is suitable for both indoor and outdoor sealing.

FEATURES & ADVANTAGES

- It dries to form a seamless, highly elastic and waterproof membrane.
- It is suitable for horizontal and vertical surfaces- above and below ground.
- It bridges surface stresses and hairline cracks.
- It adheres well to dry, wet, absorbent and non-absorbent surfaces.
- It is resistant to all- dilute acids or alkali, fumes or fluid gases commonly encountered in the construction industry.
- It is cold and heat resistant to weathering and aging, remains durable, elastic and waterproof.
- In normal roof layer construction it is not affected by spark or radiant heat.
- It is not damaged by roots and not attacked by rodents.

TYPICAL APPLICATIONS

- It acts as an adhesive-for bonding, insulation board, and expanded polystyrene and cork tiles.
- It is suitable for both indoor and outdoor sealing and waterproof coating.
- External cellar sealing
- Silos, store rooms or stable Retaining walls
- Roof superstructures and connections
- Terraces balconies
- Under ground structures
- Damp & wet rooms
- Flat or sloping roofs
- Foundations
- Bridges

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TYPICAL CHARACTERISTICS

Color	Dark Grey, White ,etc.	
Specific gravity	1.411	
Coverage	1.85 kg/m ²	
Flash points	Non flammable	
Service Temperature	-10°C to +80°C	
Dry film thickness	1.0 mm	
Application Temperature	+5°C to 55°C	
Solid content	75 %	
Tensile strength	> 4 kg/cm ² .	ASTM D 412
Elongation at Break%	> 500 %	ASTM D 412
Resistance to water pressure	Passes	ASTM D 751
Water vapour transmission	2.0 - 3.0 gr/m ² 24 hr.	ASTM D 96
Recovery	90 %	IS 1536
Creep at 80 °c	No creep	DIN 52123
Resistance to standing water	Passed	ASTM D 2939
Bacterial attack in soil 30 days @40°C	Passed	ASTM D 2939
Crack bridging	Up to 0.5 mm	Is 1731

RECOMMENDED APPLICATION

BASEMENT WATERPROOFING

Choksey's Acrylic Color Membrane liquid film is particularly suitable for waterproofing basements externally. Acrylic Color Membrane is resistant to roots and is not affected by aggressive ground water. Acrylic Color Membrane is also ideal for sealing soil-content floors against rising damp.

ROOF WATERPROOFING

Choksey's Acrylic Color Membrane provides economical roof sealing. None of the usual equipment or materials, such as boiler, gas cylinder, burners or adhesives is required. It seals flat, inclined or vertical surfaces, joints to super structures etc. It can be painted over with reflective and elastic water based paint. The roof surfaces should preferably be slightly inclined to ensure adequate drainages and prevent formation of puddles.

Thick coatings of Acrylic Color Membrane act as a vapour barrier and water drainage should be provided beneath the coating e.g. with perforated bitumen sheet if vapour pressure build-up is anticipated.

For accessible roofs a protective screed should be provided. A PE vapour barrier sheet should be placed between the Acrylic Color Membrane and the screed. The cement / sand screed should be at least 30 mm thick.

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Acrylic Color Membrane is solvent –free thus eliminating any danger of fire, explosion or health-risks and permitting application in confined spaces.

COVERAGE

Acrylic Color Membrane should be applied @1.85 kg/m² per coat. Depending upon the requirements and also on the gravity of the leakages, Acrylic Color Membrane may be applied in 2 or 3 coats.

METHOD OF APPLICATION

- 1) Primer to be applied as it is on the surface with the help of brush.
- 2) Give a min. interval of 2 hrs for drying.
- 3) Apply membrane on primed surface Airless spray; brush or squeeze can apply it. All surfaces to which it is applied must be sound, stable with an even finish and free from dust, loose debris etc. It may be applied to damp but not water logged surfaces. Where subsequent coats are to be applied, the first coat must be dry.

CLEANING OF TOOLS & EQUIPMENTS

Clean tools immediately after use with water.

STORAGE AND SHELF LIFE

In originally sealed packages, the material can be stored for 12 months.

PACKING- 18 kg containers

PRECAUTIONS

Wear protective gloves and goggles when processing the material. When carrying out injection work, make sure to protect the surrounding work area from injection resin that may be discharged from the wall, packers, drill holes, etc. Do not stand directly behind the packers during injection.