

## ROSALEE WATER PROOF ACRYLIC MEMBRANE

### ➤ **Scope**

Most of the buildings in India are made with cement/concrete. This includes roofing/ceilings. Now, cement concrete surfaces, invariably develop hair cracks, which are left uncovered. During monsoon rains, the ceiling starts leaking. The building owners come to know of it, when the water starts falling on people's heads. Application of coal tar compounds can prevent the leakage but such compounds being solvent based, cannot adhere to wet surface. Use of pans and pots for collecting dripping water is a usual scene during monsoon

To overcome the problem, we have developed a water based compound, which can be trowelled on moist surface, to yield a dry film thickness of 2-3 mm. The compound sets within three/four hours, to give a rubber like membrane and transforms into a rubber sheet, within 24 hours. In other words, the roofs, in turn, wear a rubber raincoat.

Since the compound is made with acrylic resins, it lasts at least five to six years for it to start cracking. Unlike coal tar compounds, (which are black) acrylic roofing membrane is white in colour, which helps in reflecting heat during summer. It can also be coated with aluminium paint for still better reflection of sunrays, thereby keeping the room temperature down by 7-8°C. During hot summer of India.

### ➤ **Areas of Application**

Any cementitious surface that needs sealing of hair cracks. Also joints of asbestos sheets, small holes in the sheets can also be covered.

### ➤ **Surface preparation**

Surface must be free of dust, grease and excessive moisture. The surface must be wire brushed to get rid of loose fibers in case of asbestos sheets and loose dust over cemented slab.

### ➤ **Technical Data**

- APPEARANCE : Milky white thick liquid.
- VISCOSITY : 150 ± 20 poises
- WEIGHT/LITRE : 1.12 kgs.
- TROWELLING VISCOSITY : as it is.
- SETTING TIME : 2 hrs.
- TOTALLY DRY : o/n
- RECOATABILITY : o/n
- FLEXIBILITY : Total
- ELONGATION : 100%
- IMMERSION INTO HOT WATER : 70°C for two hours : no effect.
- IMMERSION INTO COLD WATER : No effect till 96 hours.
- ADHESION ON CEMENTATIOUS SURFACE : Excellent

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### ➤ **Directions for Use**

Prepare the surface as recommended under the heading, “surface preparation” given above. Use 8 – 12 inch putty knife for toweling and build wet film thickness up to 4 – 5 mm. Can also be done with paint roller of 12 inches. Allow drying for 3–4 hours and apply another coat to achieve dry film thickness of 2-3 mm.

### ➤ **Notes**

While applying membrane ensure the surface is not too wet. Also it may be noted that the material cannot be applied while it is raining and also ensure it does not rain for 8-10 hours after application of the film. In other words, apply the membrane during dry spell of the monsoon.

### ➤ **Disclaimer**

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