

# HARDOFLEX

## Acrylic Co-Polymer Liquid Waterproofing Membrane

### DESCRIPTION:

**HARDOFLEX** is a single component acrylic co-polymer based waterproof membrane coating having excellent flexibility and weatherproofing characteristics. Due to its excellent adhesion and thixotropic nature it is an ideal material for vertical and horizontal applications.

### USES

**HARDOFLEX** can be used for roof slabs, terraces, balconies, sunshades, parapet walls, etc.

**HARDOFLEX** is ideally suited for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, and corrugated sheets.

### ADVANTAGES:

- Weatherproof protective coating
- Can be used on a variety of substrates such as concrete, asbestos, cement, zinc and GI sheets, timbre, light weight concrete PU foam
- High elasticity and tensile strength of the cured membrane enables it to accommodate roof movement
- Easy to use, single component and bio-friendly material
- Resistant to ultra violet radiation (**UV**)
- Anti-carbonation and chemical resistant coating

### CHARACTERISTICS

|                      |                                |
|----------------------|--------------------------------|
| Tensile strength     | 375 psi                        |
| Elongation           | 560 %                          |
| Shore hardness       | 74 Kg/cm <sup>2</sup>          |
| Tear strength        | 23 Kg/cm <sup>2</sup>          |
| Adhesion to concrete | 13.5 Kg/cm <sup>2</sup>        |
| Abrasion resistance  | abrasions wear (Wear index135) |
| Specific gravity     | 1.28 @ 23°C                    |
| Recovery             | 90%                            |
| Solid content        | 65% min.                       |
| Flash point          | Nil                            |

### METHOD OF APPLICATION

**Surface preparation:** The surface has to be cleaned thoroughly so that all dirt, oil, laitance, dust etc. is removed. In the case of metal surfaces, rust and other contaminated and loose particles shall be removed. All cracks shall be treated properly before the application of **HARDOFLEX**.

**HARDOFLEX** primer coat shall be applied by diluting 1 Kg with 2 liters of water by means of sprayer, brush or roller.

**Application:** First coat of **HARDOFLEX** shall be applied over the primed surface once the surface is dry. It is recommended to apply the second coat after first coat is fully cured. The glass fiber reinforcement, if required, shall be placed after the application of the first coat and 10 – 15% for second coat for workability and coverage.

**HARDOFLEX** must not be applied if it is raining or rain is imminent.

### COLOR

**HARDOFLEX** is available in white color. Other colors shall be made available on request.

### COVERAGE

1.5 Kg / m<sup>2</sup> for 2 coats (DFT 1mm)

### CURING LIFE

Touch dry - 1 hour  
Completely dry - 4-6 hours

### SHELF LIFE

Up to one year in closed container if stored properly

### PACKING

18 Kg pails