

CHEM PU MEMBRANE

SINGLE COMPONENT POLYURETHANE BASED
ELASTOMERIC COATING

DATA SHEET



CHEM PU MEMBRANE

SINGLE COMPONENT POLYURETHANE BASED ELASTOMERIC COATING

PRODUCT DESCRIPTION

CHEM PU MEMBRANE polyurethane based elastomeric liquid water proofing coating used for sealing and protecting concrete and masonry substrates against water, dampness and seepage with a long lasting, semi-smooth, decorative White / Grey finish.



| Advantages | Uses |
|---|--|
| <ul style="list-style-type: none"> > Highly Elastic > High Tensile Strength > Crack Bridging > Rubber Like Membrane > Resistant to oxidation > UV Resistant > Highly durable > Repair Friendly > NO-VOC | <ul style="list-style-type: none"> > Concrete > Masonry & Metal Surfaces > Basement Bed & Retaining Walls > Wet Areas > GRP & GRC > Concrete walls > Suitable for All Types of Surfaces. |

MATERIAL DATA

| | |
|-------------------|---|
| Type | Polyurethane |
| Form | White, Grey |
| Packing | 20 Kg or as per requirement |
| Storage Condition | 12 months in unopened packaging, between 5°C and 35°C |

TECHNICAL DATA

| Property | Value | Test Method |
|---------------------------------|-------------------|-------------|
| Specific gravity | 1.1+ 0.05 | ASTM D 1475 |
| Tensile Strength | >8 N | ASTM D 412 |
| Tear Resistance | >15 N | ASTM D 624 |
| Shore Hardness A | 70 | ASTM D 2240 |
| Elongation at Break | >400 | ASTM D 412 |
| QUV Accelerated Weathering Test | Passed 2000 hours | ASTM G 53 |
| SRI (Solar Reflectance Index) | 101 | ASTM E 1980 |
| Resistance to Bacteria | No Attack | ASTM D 4299 |
| Resistance to algae | No Attack | ASTM G 29 |
| Service Temperature | 30 to 80 °C | |

APPLICATION DETAILS

Surface Preparation

Substrate should be clean, free from dirt, dust, and all loosely adhering particles. Cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition. All cracks larger than 1mm should be filled with cement base concrete repair. Steel surface should be grit blasted then clean by solvent and kept to dry.

Application Method

PRIMER COAT: Apply primer coat by diluting primer liquid with base product by 20% by the total weight of primer @1kg / 3.00sqm - 4.00sqm by brush or roller.

FINAL COAT: Apply Final Coat of CHEM PU HEAT PROOFING 1.00kg / 1.20sqm - 1.60sqm yield of the mixed product will be depend on the texture and porosity of the surface. For Applications on the treads of the joints, it is recommended to trowel the area beforehand.

Curing

2-4 hr Touch dry
12-24 hr partial curing and subject to water test
48 hr complete curing

SAFETY

Prevention: Protection

Do not breathe dust/fume/Gas/mist/vapors/spray
Wear protective gloves/protecting clothing/eye protection/face

In case of inadequate ventilation wear respiratory protection

Response:

If on skin wash with plenty of soap and water
If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing.
If in eyes rinse cautiously with water of several minutes.

FOR YOUR INFORMATION:

CHEMCONS Construction Chemicals Company is the wide range manufacturer of construction chemicals, including concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, heatproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.

