

# TarFelt DPC



## Water Based Bituminous Liquid Membrane

### Description

**TarFelt DPC** is water based, cold applied, single component, elastomeric in-situ seamless monolithic coating. This unique system is ready to use acrylic modified bituminous liquid membrane.

### Characteristics – Physical

Appearance	Viscous emulsion dries to black coating	Drying Condition	40 min for each coat depending on climatic condition
Application Temperature °C	> 5		8 -10
Specific Gravity, @ 30 °C	1.0 ± 0.01	Water Absorption, %	< 1
Viscosity on Brookfield @ 25 °C, cps	1600 - 1800	Theoretical Coverage, m <sup>2</sup> / mm DFT, kg *	1.6

\* Depending upon surface condition.

### Characteristics – Physical

Properties	Standard	Results
Elongation after 7 days (1.50 mm film), %	ASTM C-412	190 - 200
Tensile Strength after 7 days (1.50 mm film), MPa	ASTM C-412	0.50
Crack bridging, mm, maximum	ASTM C-836	0.8
Pull off adhesion, MPa	ASTM D-4541	1.2
Hardness, Shore A (After 7 days)	ASTM D-2240	> 50

### Application

- Corrugated asbestos / metal / non-galvalised corrugated tin roofs.
- Sunken areas.
- Rejuvenation of existing bituminous membrane – Hessian / HMHDPE based membrane.
- Residential terraces (flat / slope) in substitution of hessian / HMHDPE based membrane.

### Advantages

- User friendly, Non-toxic, Green product.
- Excellent Waterproofing Characteristics.
- Good crack bridging property
- Cold applied and hence does not require heating.
- Monolithic and Seamless Membrane.
- Excellent bonding to concrete.
- Can be applied on moist surface also.
- Excellent vapour barrier.

- Good flexibility and does not crack on aging.
- Prevents growth of fungus, algae etc.

## Application Methodology

### ➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.
- Repair all cracks by cutting "V" groove and fill with PMC mortar prepared in the ratio of HS Advanced Latex Plus : Water : Cement : Sand (1 : 1 : 5 : 20).
- Provide 50 mm x 50 mm coving made out of PMC mortar as above.

### ➤ Material Preparation

- Stir **TarFelt DPC** by a slow speed mixture (approx. 400 rpm) fitted with a suitable mixing paddle to ensure a homogenous mix.
- After stirring, wait for the product to settle in order to let entrapped air escape.

### ➤ Waterproofing Application

- Slightly damp the surface. Avoid standing water / ponding.
- Prime the surface with a mixture of **TarFelt DPC** and potable water in the ratio of 50 : 50 and apply @ 400 grm / m<sup>2</sup> of the mixture and allow it to touch dry.
- Apply first coat of **TarFelt DPC** @ 0.70 kg / m<sup>2</sup> by brush / roller / airless spray while the primed surface is tacky. For faster and smoother application, airless spray is preferred.
- Spread fiber glass net of 45 gsm with overlaps of 50 mm in both directions when the surface is still tacky.
- Allow 1<sup>st</sup> coat to dry for 10 – 12 hr.
- Apply second coat of **TarFelt DPC** @ 0.70 kg / m<sup>2</sup> by brush / roller / airless spray for final DFT of 1000 micron in two coats inclusive of fiber glass of 45 gsm (theoretical coverage depending on surface conditions).
- Sprinkle sand @ 200 grm / m<sup>2</sup> over the final vertical coating when the surface is still tacky to facilitate plastering.
- Ensure final curing time of 36 hrs before allowing / carrying out any further work.
- Conduct ponding test after 7 days of curing at ambient temperature.

### ➤ Protection of Waterproofing

- Spread 150 gsm Geotextile Fleece with overlap of 50 mm in both directions on fully cured surface.
- Protect surface with 50 mm PCC admixed with HS Power Plasticizer and gradient of 1 : 100.

### ➤ Rejuvenation of Existing Treatment

- Clean existing surface thoroughly and remove all loose / foreign material.
- **TarFelt DPC** shall be applied on prepared surface as per above procedure.

## Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapor.
- Wear suitable protective clothing, gloves and eye protection

- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

### Packing

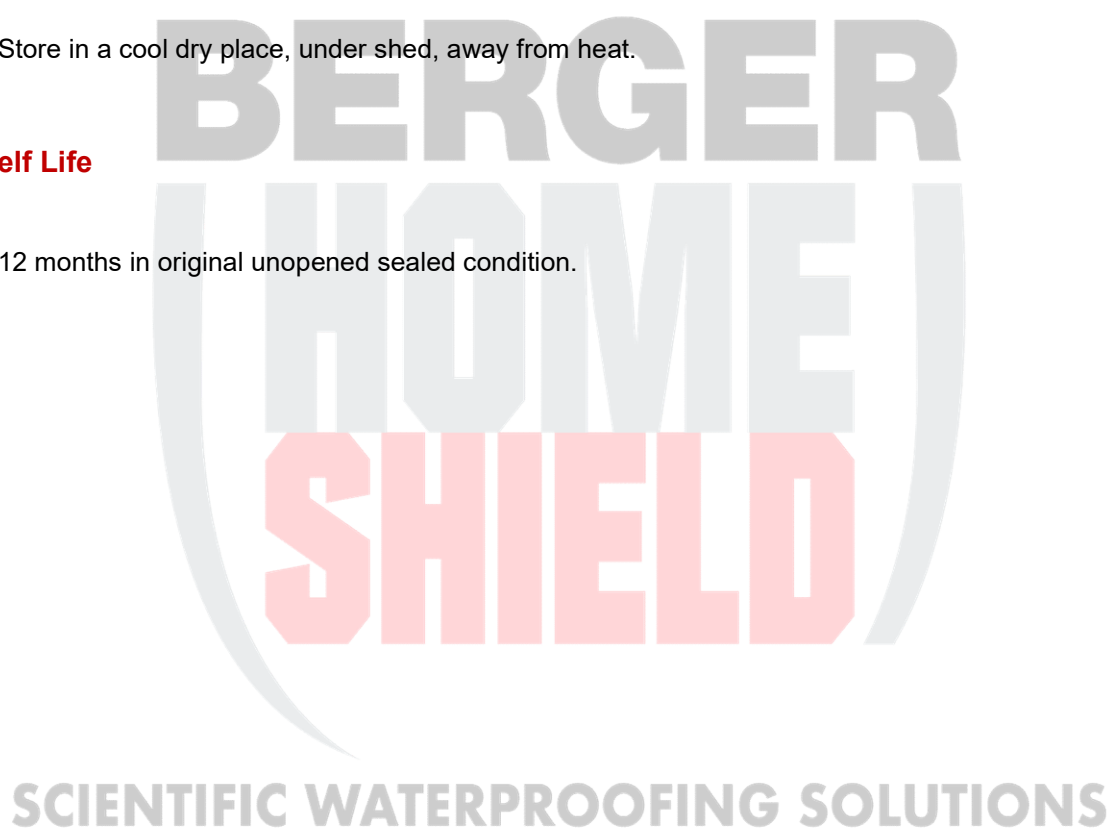
Available in 20 kg pack.

### Storage

Store in a cool dry place, under shed, away from heat.

### Shelf Life

12 months in original unopened sealed condition.



#### DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

---

#### **BERGER PAINTS INDIA LIMITED**

Berger House. 129, Park Street, Kolkata : 700 017

Phone : 91-33-2229-9724-28 / 6005-06, Fax : 91-33-2227-7288, 2249-9009/9729

e-mail : [consumerfeedback@bergerindia.com](mailto:consumerfeedback@bergerindia.com) ; Website : [www.bergerpaints.com](http://www.bergerpaints.com)