

# TarFelt® - BS



Hessian Based Bituminous Waterproofing Membrane

STP Limited

## Description

**TarFelt® - BS** consists of a centre core of hessian adequately coated on both sides with oxidized bituminous compound. Mica / sand is then spread over on both faces to prevent inter-sticking of layers.

## Characteristics

|   |           |  |             |
|---|-----------|--|-------------|
| Breaking Strength, kg, Min  | 100<br>50 | Heat Resistance at $68 \pm 2^{\circ}\text{C}$ , 3 hr   | No flow     |
| <ul style="list-style-type: none"><li>Warp way</li><li>Weft way</li></ul> |           | Pressure Head Test at 300 mm height of water           | No Leakage  |
|   |           | Storage sticking at $55 \pm 2^{\circ}\text{C}$ , 18 hr | No Sticking |
| Pliability up to $15^{\circ}\text{C}$                                     | No Crack  | Water absorption, %, Maximum                           | 2           |
| Weight, kg, Min   | 35        | Bitumen content per Roll, Kg                           | 18          |

## Application

**TarFelt® - BS** is recommended as an economical waterproofing system. It can be applied over various types of surfaces such as concrete, corrugated asbestos or GI sheet, timber, shell / folded plates, etc. It is also used for waterproofing of silos, grain godowns, warehouses, wagons, trams, buses, etc.

## Advantages

- Proven first generation waterproofing membrane and recommended for non critical over ground application.
- Economical with limited life.
- Dimensional stability with pliability to adopt to all contours.

## Application Methodology

- Specification regarding the nature of treatment should be decided depending on the type of structure and climatic conditions. For example, in severe climatic conditions, a heavy / extra heavy treatment should be adopted.
- Provide adequate number of drainage outlets of 100 mm diameter, at least for every 40 m<sup>2</sup> of roof area.
- Clean the surface thoroughly to make it free from any foreign material. Repair all undulation and surface defect like cracks, honeycombing etc.
- PCC / Cementitious coving of 75 mm radius shall be provided at all junctions between vertical and horizontal faces.
- Apply a coat of ShaliTex Primer minimum @ 0.25 L / m<sup>2</sup> and allow it to dry completely.
- Use STP Bitumen 85/25 as bonding material, which is to be prepared by heating it to the correct working temperature and spreading over the roof properly and uniformly @ 1.2 kg / m<sup>2</sup> per coat for waterproofing application or as specified.
- Unroll and fix **TarFelt® BS** by applying uniform pressure with hand for removal of any entrapped air.
- Provide overlap joints of 75 mm in longitudinal direction and 100 mm in transverse direction of the **TarFelt® BS** roll and seal it properly with hot bitumen.
- Terminate **TarFelt® BS** at the top of parapet if the height of parapet is up to 450 mm. In case the height of the parapet is above 450 mm, terminate **TarFelt® BS** at parapet in a groove 75 mm x 65 mm at a height of 150 – 300 mm from the finished roof level and groove shall be filled up with cement-sand mortar (1:4) with addition of ShaliPlast LW+ @ 200 ml / bag of cement.

- Top coat shall be finished with a layer of stone grit or pea gravel (6 mm and down size) which shall be laid by spreading over a hot bitumen coat @ 1.2 Kg / m<sup>2</sup> laid over the felt.
- In case of non-trafficable roof, over the finished coat of bitumen, apply a coat of SuperSilverShield, a bituminous based aluminium paint, @ 0.125 L / m<sup>2</sup>.
- For a trafficable roof, protect membrane with PCC / Tiles. In case of PCC, ShaliPolyFibre @ 600 gm/m<sup>3</sup> and ShaliPlast LW+ / STP No 1 (Liquid) @ 200 ml/bag of cement to be added to improve the resistance to crack formation and as well as waterproofing properties of screed.
- Use ShaliBond BS/CS cold adhesive wherever hot application is difficult or not permitted.
- For multi-layer treatment, stagger all the joints.

### Health & Safety

- Use goggles, hand gloves and shoes during application
- Clean hands with a mild solvent and thereafter wash with warm soap water

### Packing

Available in 1 m x 20 m roll.

### Storage

Keep in a cool dry place, under shed, away from heat. Do not stack more than three rolls in one column.



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