

# TarFelt® BH



Hessian Based Bituminous Waterproofing Membrane

STP Limited

## Description

**TarFelt® BH**, is produced by saturating centre core of hessian with straight grade bitumen and coated with specially formulated bituminous compound on both sides. Thereafter, Mica / sand is spread over bituminous surface to prevent inter layer sticking of felt during rolling and storage. It conforms to IS:1322:1993, Type 3 Grade 1.

## Characteristics

Breaking Strength, kg, Min		Heat Resistance at $68 \pm 2$ °C, 3 hr	No flow
• Wrap way	135	Pressure Head Test at 300 mm height of water	No Leakage
• Weft way	90		
Pliability, up to 15 °C	No crack	Storage sticking at $55 \pm 2$ °C, 18 hr	No Sticking
Water absorption, %, max	2	Bitumen content per Roll, Kg	24.2

## Application

**TarFelt® BH** is recommended for above ground waterproofing applications as per IS:1346/1991. They are suitable for application on various types of surfaces such as concrete, corrugated asbestos / GI sheet, timber, all types of flat, slope and shell type structure. **TarFelt® BH** is a proven waterproofing material for application on silos, grain godowns, warehouses, wagons, trams, buses, etc.

## Advantages

- Economical.
- Rot proof.
- Having excellent track record over six decades.
- Totally impermeable.
- Flexibility to adopt all types of 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 be spread 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® BH** 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® BH** roll and seal it properly with hot bitumen.
- Terminate **TarFelt® BH** 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® BH** at parapet in a groove 75 mm x 65 mm at parapet 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 it 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 grm/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 with a weight of minimum 46 kg per 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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