

## OVERVIEW

CLEXOPBS-FELT consists of a center core of hessian adequately coated on both sides with oxidized Bituminous compound. The coatant i.e. the mixture of Bitumen as specified by I.S. specifications is uniformly applied. The resultant coated felt shall be given a superficial application of mineral powder to prevent the layer of the coated felt sticking together in the roll. Mica / sand is then spread over on both faces to prevent intersticking of layers. This also gives useful protection against the effects of the sun and when laid on roofs, does not need further treatment.

## PROPERTITES

- UV resistant
- Good Flexibility to adapt all structural movements.
- Flexible at very low temperature.
- Good dimensional stability under tension.
- Resistant to water borne chemicals.
- Dimensional stability with pliability to adapt to all contours.
- Excellent weathering.

## AREAS OF USES

- It is used as waterproofing membrane for protection of various substrates in wide range of applications.
- Inverted roofs & parapets.
- Corrugated asbestos or GI sheets, timber, shell/folded plates, etc.
- Terraces, balconies & patios.
- Bridges, tunnels & underpass etc.
- Sunken slabs.
- Ramp areas, airport aprons etc.

## GRADES

Type 3 Grade I - 1M x 20M (46 Kgs.)

Type 3 Grade II - 1M x 10M (35 Kgs.)

## INSTRUCTIONS FOR USE

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the waterproofing system are as follows:

### SURFACE PREPARATION

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections and protrusions shall be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable CLEXOCRETE-CWC concrete repair mortar.

### APPLICATION

- A layer of **CLEXODAM-PRIME** @ 0.3-0.4 Litre/Sqmt.
- A layer of **CLEXODAM-GRADE 85/25** @ 1.2kgs/Sqmt.
- A layer of **CLEXOPBS-FELT** as per **IS: 1322-1993** is laid over the coat of bitumen with overlaps of 100mm. (Grade I or Grade II as specified)
- A layer of **CLEXODAM-GRADE 85/25** @ 1.5kgs/Sqmt.
- The finishing topping is by Gravel or **CLEXOSILVER-HRP** or Tiles.

### CAUTION

Handle the membrane carefully and use this membrane with melted bitumen 85/25, Don't over heat bitumen as this will expose the reinforcement and cause damage to it.

### SEALING

Seal both the overlaps and use round tipped trowel to seal the overlap. Adequate heat is confirmed when a uniform flow of melted bitumen compound flows evenly in a bead that oozes from the applied membrane's edges. Excess compound should be smoothened and pressed into the seam using a heated trowel. Any un-bonded areas must be lifted and re-torched/sealed by bitumen. Do not attempt to reseal by torching the top surface of the membrane. Flashing details are accomplished using cut pieces of **CLEXOPBS-FELT** in combination with appropriate prefabricated flashing components. The same side lap and end lap rules apply to flashing details as to field membrane. All angles and abutments should be sealed with extra care to ensure full bonding. Wash all the tools and tackles with industrial solvent immediately after the application is completed.

### **HEALTH & SAFETY**

Avoid prolonged contact with eyes and skin. Protective clothing such as gloves and goggles should be worn. See the relevant material safety data sheet for more information.

### **PACKING & STORAGE**

CLEXOPBS-FELT is available in (1mtr W x 20mtr L):

SIZE (WIDTH X LENGTH)	WEIGHT (KG/ROLL)	THICKNESS (MM)	GRADE
(1M X 20M)	46 kg/roll	2.0 mm	TYPE-3 GRADE-I
(1M X 10M)	35 kg/roll	1.5 mm	TYPE-3 GRADE-II

**Note: - Weight Available --- 25 kgs, 30 kgs, 35 kgs, 40 kgs, & 46 kgs.**

Shelf life is 12 months in unopened condition rolls. Store containers in a clean dry area protected from Direct sunlight and extreme heat and cold.





**CLEXO**  
*Life of Construction*

## CLEXOPBS-FELT

(HESSIAN BASED BITUMEN FELT)

(AS PER IS 1322-1993)

CECPL-2005

### TECHNICAL DATA

<b>Product</b>	Hessian Felt
<b>CHARACTERISTICS OF FELT</b>	<b>HESSIAN BASED IS : 1322-93</b>
<b>Breaking Strength Test</b>	
Warp Way	135 kg
Weft Way	90 kg
<b>Nominal weight</b>	Type 3 Grade I - 1M x 20M (46 Kgs.) Type 3 Grade II - 1M x 10M (35 Kgs.)
<b>Pliability Test</b>	No crack on unrolling felt when layers are separated
<b>Heat Resistance Test</b>	No melting of Bitumen Compound
<b>Bitumen Content</b>	12.1 kg/10m <sup>2</sup>
<b>Pressure Heat Test</b>	No leakage
<b>Storage Sticking Test</b>	Separated without damaging the layers
<b>Water Absorption Test</b>	2.0 % maximum
<b>Service Temperature</b>	+5°C to +65°C
<b>Packaging</b>	(1Mx20M)
<b>Storage</b>	12 months in original condition.

For further details visit: [www.clexoengineering.com](http://www.clexoengineering.com)

October 2022 – Issued by CLEXO Technical Centre,

We are driving Waterproofing administrations supplier and waterproofing workers for hire in India. We give 5 and 10 years guarantee (relies upon the material quality) on our all administrations including new and old administrations from us.

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## PICTURES/IMAGES AT GLANCE



## CLEXO ENGINEERING & CHEMICALS PVT. LTD



[An ISO 9001: 2015 Company]

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