



Life of Construction

CLEXOGLASS-FELT

(FIBRE GLASS REINFORCED BITUMEN FELT)

(AS PER IS 7193-1994)

CECPL-2006

OVERVIEW

CLEXOGLASS-FELT consists Glass Fibre Tissue resin bonded mat is treated/coated with bitumen. The coatant i.e. the mixture of bitumen and inert fillers as specified by IS specifications is uniformly applied. The resultant coated felt shall be given superficial application of mineral powder/mica to prevent the layer of the coated felt sticking together in the roll. 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

Grade I - 1M x 20M (36 Kgs.)

Grade II - 1M x 10M (25 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.

For further details visit: 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.

CLEXO ENGINEERING & CHEMICALS PVT. LTD. has remained an expert waterproofing administrations worker for hire on both new developments

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 **CLEXOGLASS-FELT** as per **IS: 7193-1994** 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 **CLEXOGLASS-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

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

Note: - Weight Available --- 30 kgs, 36 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.



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TECHNICAL DATA

Product	FIBREGLASS FELT
CHARACTERISTICS OF FELT	FIBRE GLASS BASED IS : 7193-1994
Breaking Strength Test Warp Way Weft Way	50 kg 30 kg
Nominal weight	Type 2 Grade I - 1M x 20M (36 Kgs.) Type 2 Grade II - 1M x 10M (25 Kgs.)
Pliability Test -Warp Way -Weft Way	No crack on unrolling felt when layers are separated
Heat Resistance Test	No melting of Bitumen Compound
Pressure Heat Test	No leakage
Storage Sticking Test	Separated without damaging the layers
Water Absorption Test	2.0 % maximum
Service Temperature	+5°C to +65°C
Packaging	(1Mx20M)
Storage	12 months in original condition.

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PICTURES/IMAGES AT GLANCE



CLEXO ENGINEERING & CHEMICALS PVT. LTD



[An ISO 9001: 2015 Company]

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