

OVERVIEW

CLEXOSELF-SBS is a cold applied self-adhesive sheet membrane comprising of a SBS/Polymer modified bitumen layer bonded on to an outer surface of cross laminated polyethylene film of 200 Microns.

The SBS/Polymer bitumen adhesive layer is protected on the underside by a silicone release paper which is removed just prior to the application of CLEXOSELF-SBS to the tack coat primed substrate.

The applied membrane is then immediately protected from UV light and from mechanical damage during subsequent back filling by the application of Protection Board, or a sand/ cement screed.

The waterproofing membrane shall be a 1.5 mm/2.0 mm or thick self-adhesive sheet membrane comprising of a SBS/polymer modified bitumen layer bonded on to an outer surface of polyethylene film. The polymer modified bitumen shall have an elongation in excess of 2000% when tested in accordance with ASTM D 146-04.

PROPERTITES

- Cold applied and self adhesive (no heating or open flames required)
- Fully bonded sheets.
- Fast and secure application without special equipment.
- High elongation, flexibility & easy application.
- High tensile strength , tear and puncture resistance.
- Resistant to aggressive mediums in natural ground water and soil.
- Capable of withstanding thermal movements.

AREAS OF USES

CLEXOSELF-SBS is the ideal membrane for damp-proofing foundations, bridges, viaducts and tunnels, coaches etc. It is a cold and post-applied self adhesive waterproofing membrane sheet. Application for protection of various substrates like concrete, GL sheets , wood etc. in wide range of uses:

- o External application for cut & cover tunnels.
- o On horizontal slabs and protrusions
- o On the outside of external wall
- o On single and strip foundation or slabs
- o Roof gardens where resistance to root is not required.
- o Can be laid on any type GI. Aluminum and asbestos corrugated sheets due to stick on application.
- o Basement & raft slabs.
- o Medium to large roof slabs (domestic, commercial and industrial)

INSTRUCTIONS FOR USE

The application temperature should be between 5°C to 50°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

Concrete surfaces should be float finished and free from cavi-ties and projecting nibs. All surfaces shall be dry and free from frost, surface laitance and contamination.

Priming

RANSAM-PRIME must be applied to the substrate and allowed to dry until it is tack free, prior to the application of the membrane. All surfaces must be re-primed if left for more than 24 hours prior to the application of **CLEXOSELF-SBS**.

Application

Smooth transition should be made at wall/floor slab junctions using a sand/cement.

The membrane should be applied to the substrate having first removed the siliconised release paper, pressing the polyethylene film firmly ensuring that the adhesive. Bitumen compound bonds continuously to the substrate with no air pockets.

Allow at least a 75mm edge and a 150mm end lap. All laps should be rolled firmly to achieve a good seal. End laps should be staggered.

On vertical or inclined surfaces, the membrane shall be laid from the lowest level upwards.

The membrane should be protected immediately after application in accordance with BS 8102: 1990 by using Protection Board or as appropriate with a sand/cement screed.

Limitations

Application temperature range: 5°C - 50°C.

For application below 15°C it may be necessary to slightly warm the back of the membrane should be stored at temperatures.

Above 20°C prior to application to facilitate ease of application and immediate bond to the substrate.

Wash all the tools and tackles with industrial solvent immediately after the application is completed.

HEALTH & SAFETY

As with all chemicals, caution should always be exercised. 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

CLEXOSELF-SBS is packaged in as per given details:-

Nominal Roll Length	Nominal Width	Nominal thickness	Nominal Weight
10&15 Mtr	1 M	1.5 mm	2.3 kg/sqm
10&15 Mtr	1 M	2.0 mm	2.8 kg/sqm

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



CLEXO
Life of Construction

CLEXOSELF-SBS

(SELF-ADHESIVE SBS MODIFIED MEMBRANE –
POLYESTER/GLASS FIBER/WITHOUT REINFORCED)

CECPL-2007

CLEXODAM-PRIME
(2.5-3.5m² per litre)

20 kgs & 200 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.

TECHNICAL DATA

Product	Self-Adhesive Membrane		
PROPERTIES	CLEXOSELF-SBS (Cross Laminated)	CLEXOSELF-SBS (Glass fiber)	CLEXOSELF-SBS (Polyester)
Reinforcement (Also available -Without Reinforcement)	Cross Laminated High Density Polythene	Glass Fiber Mat	Non-Woven Polyester
Membrane Thickness (±5%) (UEAtc. M.O.A.T.30)	1.5/2.0 MM	1.5/2.0 MM	1.5/2.0 MM
Nominal Weight (min) (UEAtc. M.O.A.T.30)	2.3Kgs/2.8 Kgs/Sqmt	2.3Kgs/2.8 Kgs/Sqmt	2.3Kgs/2.8 Kgs/Sqmt
Tensile strength, Longitudinal(ASTM D5147) Transverse(ASTM D5147)	>4.0 N/mm ²	N/5 cm 400 300	N/5 cm 600 480
Elongation at Break % Longitudinal(ASTM D5147) Transverse(ASTM D5147)	>200%	350±100 % 350±100 %	350±100 % 350±100 %
Tear Resistance Longitudinal(ASTM D4073)/(ASTM D5147) Transverse (ASTM D4073)/(ASTM D5147)	>125 N/mm	180±50 N 180±50 N	270±50 N 270±50 N
Softening point, °C (ASTM D-36) (min)	115	115	115
Low temp. flexibility (cold bend @ -15 °C for 8 days)	No Cracking	No Cracking	No cracking
Lap Adhesion Strength/Adhesion to Primed Concrete (ASTM D-1000)	>1.8 N/mm	2.2 N/mm	2.2 N/mm
Puncture Resistance (ASTM E-154)	>200 N	300±50 N	300±50 N
Moisture Vapor Transmission (ASTM D-570)	<0.3g/m ² /24hrs	NA	NA
Crack Bridging (ASTM C-836)	>1.5mm	NA	NA
Resistance to Hydrostatic Pressure (DIN 1048)/(ASTM D-5385)	≥60m of water (6 bar)	NA	NA
Penetration @ 25 °C, dmm	NA	70 ±10	70 ± 10
Water absorption, % Wt. (672 hrs, @ 23 °C)	NA	<0.2	<0.2

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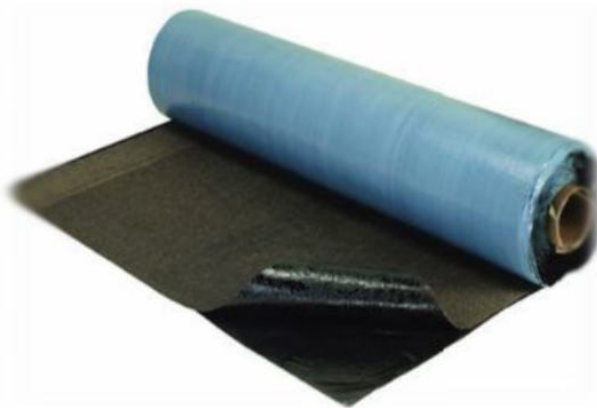
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PICTURES/IMAGES AT GLANCE



CLEXO ENGINEERING & CHEMICALS PVT. LTD



[An ISO 9001: 2015 Company]

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