

ELVOSAM 1.5 MM

SBS self- adhesive bitumen waterproofing membrane for structures and deck application

Product # 114.63

Version no: 16.11.23

data
Tech

PRODUCT DESCRIPTION: ELVOSAM 1.5 MM is a self-adhesive waterproofing, elastomeric modified bitumen (SBS), with high mechanical performances; top side is covered by black polypropylene film, while bottom side is covered by peel-off siliconized film, halved in the middle, for ease of application. It is made from two structural components. Bitumen/asphalt compound modified with SBS and high tack resins. The membrane can be adjusted should it initially be placed in the wrong position, as the adhesive on the sheet achieves final adhesion only after a few minutes.

AREAS OF APPLICATION

- Waterproofing of underground areas.
- Planter boxes.
- Below-ground applications
- Foundations Balcony Decks under cement screed

ADVANTAGE

- Cold application no flame needed for the application; this prevents the risk of fire on roofs with wooden supports.
- Chemical resistance
- Quick and easy installation.
- Flexibility and adaptability
- Complies to EN standards

APPLICATION

SURFACE PREPARATION

Surfaces to which the ELVOSAM 1.5 MM is to be installed must be properly prepared prior to installation. All surfaces must be clean, dry, smooth, free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. If concrete has moisture on surface apply one coat of Fibfloor cem primer water based epoxy membrane at a coverage rate of 3.0m²/KG and allow to cure for at least 48 hours prior to proceeding for further work.

Prior to the application of the membrane all prepared surfaces be primed with Bitutack Primer at a rate of 5–6m² per KG and allowed to dry. Carefully clean the existing membrane to provide a clean, dry substrate.

ELVOSAM 1.5 MM should always be applied from the lowest point to enable laps to shed water. All edges and end laps must be overlapped a minimum of 60mm. Internal and external corners shall be reinforced with an extra layer of membrane 300mm wide. All end laps and exposed edges should be sealed. On vertical surfaces the installation should start at the lowest point with the joints overlapping by at least 100mm, and formed so that they will shed water.

On completion of the installation of ELVOSAM 1.5 MM it is recommended that a protection board be used before back filling to protect the membrane from damage. Under no circumstances should the membrane be left exposed to UV light for long periods.

For Below Slab areas, it is recommended to provide protection laver of Geotextile & Protection Screed.

CLEAN UP

Clean all tools immediately after use with FIBREX PAINT REMOVER. Do not allow material to harden. Any hardened material will need to be removed mechanically.

TECHNICAL SPECIFICATIONS

PERFORMANCE CHARACTERISTICS	TEST METHOD	VALUES	Tolerance
Length	EN1848	15 m	±1%
Width	EN1848	1 m	±1%
Thickness	EN1849	1.5 mm	± 0.2 mm
Water Vapor Transmission	EN1931: 2000	65000μ	
Cold Flexibility	EN1109	-20°C	
Elongation at break (L X T)	EN12311	40/40	±15%
Maximum load at break (L X T)	EN12311	500/450 N	±25%
Resistance to Static Loading	EN12730	> 9.5 kg	
Resistance to Tearing (L X T)	EN12310	100/100	±30%

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

PACKAGING

ELVOSAM 1.5 MM is available in 1m X 15 m ROLL.

STORAGE

Store ELVOSAM 1.5 MM membranes at temperatures between + 10° C and + 35° C and in dry, clean conditions and in their original, closed wrapping away from sources of chemical contamination, damage, ignition sources and open flame. Shelf life is beyond 6 months. Exercise caution when lifting, moving, transporting, storage & handling to avoid puncture and physical damage.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and busing, if necessary, a suitable barrier cream.

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In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

DISCLAIMER:

Fibrex Construction Chemicals pvt. ltd. products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

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