

TECHNOELAST SBS 4500 MULTIROOF SELF

Self-Adhesive, SBS Modified Bituminous Cap Sheet



Introduction

TECHNOELAST SBS 4500 MULTIROOF SELF is a cold-applied, self-adhesive bituminous cap sheet which is saturated and coated with high quality SBS (Styrene-Butadiene-Styrene) modified bitumen. It has a tough polyester reinforcement giving the material excellent dimensional stability and very high mechanical strength. The upper layer is protected with slate mineral, the bottom layer is coated with self-adhesive compound, covered with removable film.

Product Description

TECHNOELAST SBS 4500 MULTIROOF SELF is a reliable, environmentally friendly material with excellent performance and durability characteristics. It is designed for use as a high performance cap sheet and is ideal for use within cold-applied roofing systems. It is also suitable for use in single layer pitched roof applications.

Product Features

- Flame free application eliminating administration of Hot Works permits
- Easy to peel removable film
- Excellent low temperature flexibility at -20°C
- Simple to install
- High quality polyester carrier

Application

TECHNOELAST SBS 4500 MULTIROOF SELF should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.

Roofing contractors should also be fully conversant with the guidelines set out in the National Federation of Roofing Contractors (NFRC) 'Safe2Torch' campaign. If hot air guns are used during application, operatives should be competent, conversant and capable of using such items in a safe and responsible manner. Care must also be taken when using hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

In order to install the **TECHNOELAST SBS 4500 MULTIROOF SELF** membrane correctly, ensure that the surface is dry, free of oil, fat and dust and other impurities. The membrane is applied by pulling off the bottom separating foil while simultaneously rolling out the sheet. Any overlapping membrane at a t-joint connection must have a diagonal cut over the width of the overlapping. The diagonal sheet edge must be cut off with a knife at approx. 45°. The joint overlap should be at least 8 cm wide. The protective sheet of the longitudinal seam must be removed. Any overlaps on the mineral chippings must be sealed with a hot air blow dryer (>3000 W). All joint overlaps should be unrolled with a draw roll. When applying the **TECHNOELAST SBS 4500 MULTIROOF SELF** ambient and surface temperatures should be at least + 5°C. In pitched roofing applications, the membrane should be mechanically attached at the top of strip with large head clout nails. A proprietary lap mastic should then be used to seal laps and details.

Harmonised Standard

EN 13707 + A2:2009

Chemical Resistance

TECHNOELAST SBS 4500 MULTIROOF SELF is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

Storage

Store in a cool, dry place and protect from direct sunlight. The product should be installed within 3 months of delivery, otherwise the surface must be primed with a suitable primer (please contact TECHNOMICOL for further details).

Health and Safety

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from TECHNOMICOL Technical Service Department.

Availability

Product Name	Product Code	Roll Dimensions (m)	Weight (kg/m ²)
TECHNOELAST SBS 4500 MULTIROOF SELF	TN472431	7 x 1	4.3 (± 0.2)

Performance and Key Properties

Properties	Test Method		Declared Performance
Length	-	m	≥ 7.00
Width	-	m	≥ 1.00
Reinforcement type and weight			Polyester, 170 g/m ²
Tensile properties: maximum tensile force	EN 12311-1	N/50mm	700/500 (± 100)
Tensile properties: elongation	EN 12311-1	%	50/50 (± 25)
Resistance to tearing (nail)	EN 12310-1	N	180/180 (± 30)
Flow resistance at elevated temperatures	EN 1110	° C	≥ + 95
Flexibility at low temperatures	DIN EN 1109	° C	≤ - 20
Watertightness	EN 1928	kPa	300
Water vapour transmission properties	EN 1931	-	μ=20 000
Reaction to fire	EN 13501-5 ENV 1187:2002, test 2*	-	Broof (t2)*

*This material is part of a two-layer roofing system and corresponds to the Broof only in combination with a second layer of roofing system.

Quality Assurance

TECHNOELAST SBS 4500 MULTIROOF SELF is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.