

INTRODUCTION

OT-Premium SA Underlay is a polyester reinforced base layer membrane, saturated and coated with high quality SBS (Styrene-Butadiene-Styrene) modified bitumen. The membrane carrier is a tough polyester reinforcement, giving the material excellent dimensional stability and very high mechanical strength. The upper layer is protected with fine grained sand to prevent roll sticking, the bottom layer is coated with self-adhesive compound, covered with removable film.

PRODUCT DESCRIPTION

OT-Premium SA Underlay is a high performance polyester based waterproofing material designed for use as a vapour control layer or base layer in built-up roofing systems. It is particularly suited to specifications where fire safety does not allow the use of torch-on membranes and is ideal for both new build and refurbishment roofing applications. OT-Premium SA Underlay can be applied to all suitable substrates as part of a range of high performance roofing systems. The product is not recommended for use as single layer waterproofing.

PRODUCT FEATURES

- Flame free, self-adhesive application
- Easy to peel removable film
- High resistance to foot marking
- Low temperature flexibility at -15°C
- Suitable for all types of roofing applications

Technical Data		
PROPERTIES	VALUES	TEST
Length	15 m	
Width	1.00 m	
Weight	2.5kg/m ²	
Reinforcement Type & Weight	Polyester, 120g/m ²	
Tensile Properties: Maximum tensile force	400/300 N/50mm (± 100 N/50mm)	EN 12311-1
Tensile Properties: Elongation	45/45% (± 20%)	EN 12311-1
Resistance to Tearing (Nail)	≥ 100 N	EN 12310-1
Flow Resistance at Elevated Temperature	≥ + 85°C	EN 1110
Flexibility at Low Temperatures	≤ - 15°C	DIN EN 1109
Water Tightness	Pass Class W1 kPa	EN 1928
Water Vapour Transmission Properties	μ=20,000	EN 1931
Reaction to Fire	Euroclass E	EN 13501-1:2002



APPLICATION

OT-Premium SA Underlay 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 OT-Premium SA Underlay membrane correctly, ensure that the surface is dry, free of oil, fat and dust and other impurities. The membrane should be laid out in the required direction and the release film should be peeled off as work proceeds. Side laps must be maintained at 75mm, and end laps should be a minimum of 100mm. The cap sheet should be offset 300mm from the underlay in order to avoid side build up of overlaps. In cold weather conditions, a hot air gun should be used to assist with adhesion on the lap joints.

CHEMICAL RESISTANCE

OT-Premium SA Underlay 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 and dry place. 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 OptiTec for further details).

HEALTH & 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 OptiTec Technical Department.

