

INTRODUCTION

OT-Premium Techno-58 is a polyester reinforced, slate covered torch-on cap sheet, 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 coated with coarse-grained slate, protecting the membrane from ultraviolet exposure and the lower layer is finished with a thermofusible film for fast and consistent torch-on application. In addition, the membrane features the latest graphite firewall technology within its formulation and has been fully fire tested in accordance with EN 13501-5 and ENV 1187:2002, Broof Test 4 (2-layer system).

PRODUCT DESCRIPTION

OT-Premium Techno-58 is a high performance polyester based waterproofing material designed to suit requirements of both new build and remedial roofing applications. It can be applied to suitable torch-on underlays as a cap sheet in fully or partially bonded waterproofing systems on flat or pitched roofs, and can also be used as loose laid or ballasted waterproofing on flat roofs for protected pedestrian access. The product is not recommended for use as single layer waterproofing.

PRODUCT FEATURES

- Independently tested by the British Board of Agreement, BBA certificate number 15/5284
- Unique snowflake printed thermofusible film to guide accurate and consistent torch-on application
- Incorporates graphite firewall technology for the ultimate in fire protection
- Excellent low temperature flexibility at -25°C
- High puncture resistance and resistance to foot marking
- High quality polyester reinforcement

Technical Data		
PROPERTIES	VALUES	TEST
Length	8.00 m	
Width	1.00 m	
Mass per Unit Area	5.8kg/m ² (± 0.2m ²)	
Reinforcement Type & Weight	Polyester, 180g/m ²	
Tensile Properties: Maximum tensile force	1000/700 N/50mm (± 200/400 N/50mm)	EN 12311-1
Tensile Properties: Elongation	50/50% (± 15%)	EN 12311-1
Resistance to Tearing (Nail)	300/350 N (± 90/105 N)	EN 12310-1
Flow Resistance at Elevated Temperature	≥ + 100°C	EN 1110
Flexibility at Low Temperatures	≤ - 25°C	DIN EN 1109
Water Tightness	300 kPa	EN 1928
Water Vapour Transmission Properties	μ=20,000	EN 1931
Reaction to Fire	Broof (t4)*	EN 13501-5 ENV 1187:2002, test 4*

*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.



APPLICATION

OT-Premium Techno-58 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. All operatives using torch guns or hot air guns during installation should be competent, conversant and capable of using such items in a safe and responsible manner. Care must also be taken when using torches and hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

OT-Premium Techno-58 must be bonded to the previously installed base layer/underlay by using the torch-on application method. Substrates must be clear of any debris or sharp projections, and primers should be used as necessary to prepare the surface for achieving most effective waterproofing longevity (please consult OptiTec Technical Services for details).

The OT-Premium Techno-58 membrane should be heated carefully, ensuring that the dispersible film completely melts as work proceeds and maintaining 5mm bead extrusion from all laps. Side laps must follow the manufactured mineral free pilot selvedge with end laps at minimum of 10cm. The cap sheet should be offset 30cm from the underlay to avoid build up of overlaps.

CHEMICAL RESISTANCE

OT-Premium Techno-58 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.

QUALITY ASSURANCE

OT-Premium Techno-58 is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.

