

PRODUCT DATA SHEET

Modi-Torch Polyester Underlay

Characteristic	Test Method	Result
Roll length*	BS EN 1848-1	16m
Roll width**	BS EN 1848-1	1m
Weight***	BS EN 1849-1	34kg
Watertightness	BS EN 1928 method a.	PASS
Tensile strength:**** Longitudinal Transverse Elongation at maximum load: Longitudinal Transverse	BS EN 12311-1 BS EN 12311-1	450 N/50mm 315 N/50mm 24% 40%
Resistance to tearing:**** Longitudinal Transverse	BS EN 12310-1	60 N 65 N
Straightness	BS EN 1848-1	PASS
Visible Defects	BS EN 1850-1	PASS
Cold Bend Flexibility	BS EN 1109	-5°C
Flow Resistance at Elevated Temperature	BS EN 1110	90°C
External Fire Performance	BS EN 13501-5	F _{ROOF(t4)}
Reaction to Fire	BS EN 13501-1	F

*tolerance of >150mm
**tolerance of +/-1.5%
***tolerance of +/-7.5%
****tolerance of +/-15%

PRODUCT COMPLIANCE

The product complies with **BS EN 13707:2004+A2:2009** and **CPR 305/2011/EU**. It is CE marked under the Factory Production Control Certificate number **0836-CPR-13/F049**.

STANDARD PRODUCT

Standard length and weight is:
Modi-Torch Polyester Underlay 16m 34kg 28 rolls per pallet

**Rose Roofing is continually investigating methods of improving both quality and performance and therefore reserves the right to change specifications and product composition without prior notice.*

Date of Issue: September 2019

PRODUCT USE

Intended for use as the underlay in a traditional bituminous built-up flat roof system.

COMPOSITION AND MANUFACTURE

The base carrier consists of a high strength polyester sheet that is saturated then coated both sides with SBS modified bitumen. The coated material is finished with either a fine sand upper surface and a thin HDPE film lower surface that melts during installation. The membrane is cut to roll length, taped and packaged according to specification and customer requirement.

INSTALLATION

Prior to setting the specification for a torch applied built up roof system Rose Roofing recommend considering the use of a hot bonded or mechanically fixed underlay / preparation layer to avoid the fire risks associated with direct torching onto combustible substrates. Rose Roofing also recommend that a thorough and comprehensive review assessing any combustion risk of the areas surrounding the detailing be carried out before torch applying materials to such areas.

Rose Roofing's Modi-Torch polyester underlay is applied by torch-on application using a standard roofer's torch. The membrane should be heated carefully ensuring the film on the underside melts completely and there is a constant steady pool of hot bitumen across the whole sheet. Side laps must be a minimum of 75mm on sand finished products, and follow the manufactured mineral free seldge on mineral capsheets. End laps should be a minimum of 150mm. When the Underlays and Capsheets are applied they should be offset on sides and ends over the underlay joints to prevent build up of overlaps, and ensure good bond strength evenly throughout the roof system.

STORAGE & HANDLING

Do not drag rolls across rough surfaces, they should be lifted. They should be stood on their end on a dry surface. If using pallets do not stack more than 2 high. Avoid mechanical damage and wet storage conditions. During colder periods it is recommended that rolls are stored at a temperature above 10°C for 24 hours prior to use. Hydrocarbon solvent based products will have a damaging effect upon these membranes, care must be taken to prevent contact with each other.