

## PRODUCT DATA SHEET

### Modified Torch On Underlays

#### PRODUCT USE

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

#### COMPOSITION AND MANUFACTURE

The base carrier consists of either a glass fibre sheet or high strength polyester sheet coated both sides with SBS modified bitumen. The coated material is finished with 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 looking for any combustion risk of the areas around the detailing be carried out before torch applying materials to such areas.

Rose Roofing's Modified Torch-On Underlays are applied by torch-on application using a standard roofer's torch. The substrate needs to be prepared carefully, taking particular notice to clean away any contaminants and prime to aid adhesion. It must be cleared of all sharp objects and mechanical fixings need to be sound to ensure there is no damage to the membrane. 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 and end laps a minimum of 100mm. When the capsheet or successive layers are applied they should be offset on sides and ends to prevent build up of overlaps.

#### 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 warmer than ambient temperature for 24 hours prior to application to help prevent damage to the membrane.

Hydrocarbon solvent based products will have a damaging effect upon these membranes, care must be taken to prevent contact with each other.

#### 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 PRODUCTS

Modi-Torch Glass Underlay	16m	32kg	30 rolls per pallet
Modi-Torch Polyester Underlay	16m	34kg	28 rolls per pallet

**TECHNICAL PERFORMANCE DATA AS REQUIRED BY HARMONISED STANDARD BS EN 13707**

		<b>Modi-Torch Glass Underlay</b>	<b>Modi-Torch Polyester Underlay</b>
<b>Characteristic</b>	<b>Specific Test ref.</b>	<b>Result</b>	<b>Result</b>
Roll length*	BS EN 1848-1	16m	16m
Roll width**	BS EN 1848-1	1m	1m
Weight***	BS EN 1849-1	32kg	34kg
Watertightness	BS EN 1928 method a.	PASS	PASS
Tensile strength:**** Longitudinal Transverse Elongation at maximum load: Longitudinal Transverse	BS EN 12311-1  BS EN 12311-1	675 N/50mm 525 N/50mm  2% 2%	655 N/50mm 510 N/50mm  33% 40%
Resistance to tearing:**** Longitudinal Transverse	BS EN 12310-1	155N 170N	225N 235N
Straightness	BS EN 1848-1	PASS	PASS
Visible Defects	BS EN 1850-1	PASS	PASS
Cold Bend Flexibility	BS EN 1109	-4°C	-4°C
External Fire Performance	BS EN 13501-5	F <sub>ROOF(t4)</sub>	F <sub>ROOF(t4)</sub>
Reaction to Fire	BS EN 13501-1	F	F

\*tolerance of  $\geq 150$ mm

\*\*tolerance of  $\pm 1.5\%$

\*\*\*tolerance of  $\pm 7.5\%$

\*\*\*\*tolerance of  $\pm 15\%$

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.

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