



# TILE ROOFING UNDERLAYMENT HIGH TEMPERATURE

## EAVE PROTECTOR

Self-adhesive underlayment that can be exposed to temperatures as high as 125° C (257° F).  
Ideal as a membrane under slate tile roofs.

- Excellent resistance to high temperatures
- Excellent dimensional stability
- Anti-slip

PRODUCT PURPOSE		
Application	Waterproofing	
Building Part	Roofing	
Types of Slope	Outside Steep Slope	
Types of Covering	Slate Tiles	Sheet Metal
	Asphalt Shingles	
Substrates	Plywood	OSB

PRODUCT CHARACTERISTICS	
Technology	SBS Modified Bitumen
Surface	Non-woven Polyester
Underface	Two Parts Silicone Release Film
Reinforcement	Glass Mat
Installation Method	Self-Adhesive
Service temperature	Up to 125° C (257° F)
Maximum exposure	180 days

## PACKAGING




Code	Width		Length		Thickness		Selvage Width	Net Area		Brute Area		Quantity
	m	in	m	ft	mm	mils	m <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	
TOP00613 (no box)	1	39	20	65	1.7	67	75	18.50	199.13	20	215	20

## PRODUCT CHARACTERISTICS

PROPERTIES	STANDARDS	DEFENDER TU
Roll weight	-	33kg (73lbs)
Tensile Strength, MD/XD	ASTM D2970	16.8 / 8.3 kN/m (95.9 / 47.4 lbf/ft)
Ultimate Elongation, MD/XD	ASTM D1970	27 / 34 %
Tear Resistance, MD/XD	ASTM D1970	440 / 343 N (99 / 77 lbf)
Static Puncture	ASTM D5602	> 430 N (> 96.7 N)
Adhesion to Plywood, 24° C (75° F)	ASTM D1970	11.5 kgf / 30.5 cm (25.3 lbf/pi)
Low Temperature Flexibility	ASTM D1970	Pass at -29° C (-20° F)
Water Vapour Permeance	ASTM E96 (PROCEDURE B)	1.2 ng/Pa·s·m (0.02 perm)
Tear Resistance	ASTM D1970	400 / 353 N (90 / 79 lbf)
Nail Resistance	ASTM D1970	Pass

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INSTALLATION	
Storage	Rolls should be stored upright, tape side up. If the products are stored outdoors, cover them with an opaque protective cover after removing the delivery packaging. Can withstand freezing but must be reactivated to at least 10° C (50° F) before installation.
Minimum Application Temperature	10° C (50° F)
Required Products	ELASTOMERIC SEALER
Complementary Products	EXTERIOR PRIMER or H <sub>2</sub> O PRIMER
Tools Required	 Smoothing Roller
	 Tape Measure
	 Knife
Surface Preparation	The substrate must be clean, dry and free of dust, grease or other contaminants.
Installation Prerequisite	The use of EXTERIOR PRIMER or H <sub>2</sub> O PRIMER is not required on most surfaces when the membrane is covered within 24 hours of installation.
Installation	<ol style="list-style-type: none"> <li>1. If conditions require, prepare the substrate with EXTERIOR PRIMER or H<sub>2</sub>O PRIMER</li> <li>2. Position the membrane parallel to the roof edge.</li> <li>3. Cut the membrane DEFENDER TU HT to the desired length.</li> <li>4. Remove the silicone film, and secure the top of the membrane using shingle nails.</li> <li>5. Use ELASTOMERIC SEALER to seal the ends joints before applying the next membrane.</li> </ol> <p>Note: The longitudinal overlap must be 75 mm (3 in) and 150 mm (6 in) for the transverse overlap. Make sure the nails are hidden by a membrane.</p> <p>Refer to the ROOF INSTALLATION SYSTEM for waterproofing membrane installation to roof details and upstands.</p>
Recommendations/Limitations	It is not recommended to use a product containing bitumen directly on softwood boards or flexible polyvinyl chloride. DEFENDER TU HT allows for tile stacking up to a maximum of 10 tiles over a roof pitch up to maximum 6:12 for lugged or flat tiles without any slippage. For roof pitches in excess of these limitations, use battens to stack the tiles, or contact TopShield for alternate stacking methods.

For UL product evaluation, see UL Evaluation ER-21824-01

Scan the QR code  
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information.

