

DRY TO THE MAX

TERREAL ROOFING COMPONENTS



DRYMAX ENERGY +
WATER PROOF MEMBRANE + INSULATION



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TERREAL DRYMAX ENERGY+™



General

DRYMAX ENERGY+™ is a nonwoven breathable membrane using latest state of the art micro-perforation technology, designed to keep both water and air out, yet allowing vapor to flow out. The DRYMAX ENERGY+™ also acts as an insulation product, reflecting up to an impressive 97% of heat radiation.

Main advantages

- Fully waterproof: W1
- Fully air-tight: windbreak
- High water vapour permeable: $S_d < 0,05 \text{ m}$
- CE marking as Vapour Control Layer
- Reflects up to 97% of heat radiation

* TERREAL reserves the rights to change the look of the product without prior notice.

TECHNICAL SPECIFICATIONS

Property	Units	DryMax Energy+™
Layers Description		SB PP/Film PP/SB PP
Nominal Weight	GSM	165
Emissivity (ASTM E-408)		0.05
Reflectivity		0.97
Heat resistance Contribution (ISO 6946) (walls with 20mm air gap)	$\text{m}^2 \cdot \text{°C/W}$	0.80
Heat resistance Contribution (ISO 6946) (walls with 20mm air gap)	$\text{Btu} \cdot \text{in}/(\text{hr} \cdot \text{ft}^2 \cdot \text{°F})$	4.56
Tensile Strength MD (ISO 9073)	N/5cm	190
Tensile Strength CD (ISO 9073)	N/5cm	125
Elongation at Peak MD (TAPPI T-494)	%	90-120
Elongation at Peak CD (TAPPI T-494)	Joule	90-120
Nail Shank Tear Resistance MD (prEn 13859-1)	N	110
Nail Shank Tear Resistance CD (prEn 13859-1)	N	140
Air Tight (EN standards)		Windbreak
MWTR (Water Vapour Transmission Rate) Standard: EN ISO 12572	$(\text{g}/\text{m}^2/24\text{hr})$	$\leq \text{SD}-0.03$
Water Repellency (En Standard: ISO 811-1981 & EN 1928 - A)		Class: W1 (≥ 2500)
Resistance to Fire	DIN 4102	B2
Yield (nominal)	g/m^2	165
Standard Roll Size	m X m	1.35m X 50m
Coverage area	m^2	67.00
Standard Roll Weight (Gross)	kg	$\pm 11.00 \text{ kg}$

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MAXIMUM COMPATIBILITY



ZEN TILES + DRYMAX ENERGY+™

THE ZEN-10 SYSTEM : SOLUTION FOR LOW PITCH MODERN ROOFS



The Zen Tile Series & DRYMAX ENERGY+™ incorporate an innovative low-pitch roofing system that truly elevates the performance of modern roofs. With a growing demand for flatter roofs and lower pitches, this system makes flat roofs completely possible, minus the hassles of leakages and design challenges. This system will allow the roof pitch to be as low as 10°. All these benefits, combined with the beauty of Zen Tile Series, make this low pitch roofing system the perfect roofing solution for minimalist design and modern architecture.

INSTALLATION STEPS

STEP 1 - Measure the roof Truss / Rafter in order to get the length of the runner before laying the DRYMAX.

STEP 2 - Prepare the Runner by cutting the U-channel (50mm x 25mm) with the measurements of the roof Truss / Rafter (75mm x 45mm).

STEP 3 - Unravel and lay the DRYMAX horizontally, eave to the summit of the roof with the smooth grey membrane side facing upwards.

STEP 4 - The dotted line indicates the overlapping requirement as the DRYMAX is applied from bottom to top.

STEP 5 - Make sure that the DRYMAX is laid straight and parallel with the edge of the Truss / Rafter.

STEP 6 - Take the Runner that was prepared at STEP2, and place it on top of the Truss / Rafter with the DRYMAX in between. The Runner is placed to form a "S" shape for a stronger structure.

STEP 7 - Screw the Runner and make sure that the first runner screwed is the right most or the left most. This is to ensure that the DRYMAX is installed flat and tight.

STEP 8 - After screwing the Runner in place, inspect for any imperfections on precision. Make the necessary final adjustments and prepare the Batten.

STEP 9 - Screw in the Batten bottom to top. The last Batten / eave Batten has to be doubled in layer for a straight roof structure.

STEP 10 - Lay the tiles from bottom to top. Make sure the tiles are laid starting from either right to the left depending on the interlocking. Carefully, screw the tiles that are in position on to the batten.

