

DELTA® protects property. Saves energy. Creates comfort.

TECHNICAL DATA SHEET

DELTA®-MAXX TITAN

Energy-saving Thermomembrane for Roofs with Clay or Concrete Tiles

MATERIAL

High strength polyester fabric with vapor permeable polyurethane coating and titanium finish for reflection of radiant heat. The product has a self-sealing adhesive edge to ensure a water- and windproof installation.

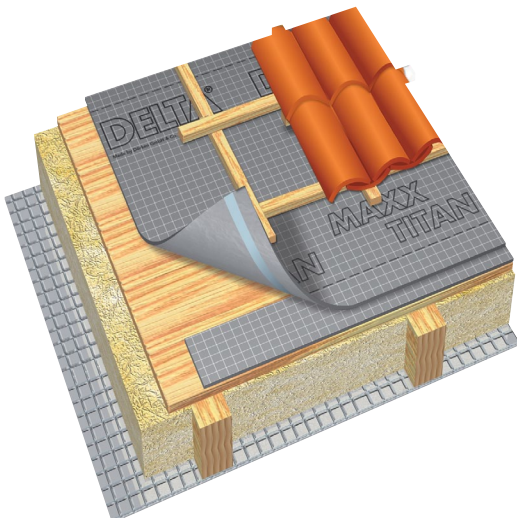
PROPERTIES

DELTA®-MAXX TITAN is lightweight, making the installation simple and safe. It unrolls quickly and can easily be aligned. This tough material will resist any damage from normal handling on construction sites (such as being pulled or walked on). Its extremely high tear resistance makes this product particularly suitable for high wind conditions.

DELTA®-MAXX TITAN reflects up to 50% of radiant energy. The attic temperature may be lowered by up to 3°F (2°C) compared to roofs with conventional roof underlayments. Lower attic temperatures will contribute to cooling energy savings. The smooth surface of the polyester substrate, as well as the embossed polyurethane surface, make installation fast and simple. Its performance is unaffected by surfactants.

APPLICATION

DELTA®-MAXX TITAN is installed on the roof deck prior to the application of the final cladding system. DELTA® Accessories complement the roof underlayment installation. DELTA®-MAXX TITAN has a self-adhesive edge to aid with the installation of the membrane.



DELTA® products support sustainable and energy-efficient building practices, including efforts toward achieving LEED® certification (LEED® for New Construction & Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings and LEED® for Homes).

For technical support, call our technical support team at 1-888-4DELTA4 (1-888-433-5824) extension 326, or visit www.cosella-dorcken.com.

Technical Data

Product name	DELTA®-MAXX TITAN	
Color	reflective (titanium coating)	
Water vapor transmission	196 g/m ² /24 h	ASTM E96-05, Proc. B
Vapor permeance	28 perms [grains/h/ft ² /in Hg]	ASTM E96-05, Proc. B
Breaking load	MD 101 lb/2in	ASTM D5035-06
	CD 60 lb/2in	
Elongation at break	MD 55 %	ASTM D5035-06
	CD 94 %	
Tear resistance	MD 5640 g	ASTM D1922-06a
	CD 7604 g	
Trapezoid tearing strength	MD 58 lb	ASTM D4533-04
	CD 42 lb	
Fastener pull-through force	232 N	ASTM D3462-03
Water penetration resistance	776 cm	CAN/CGSB-4.2 #26.3-95
Water impact penetration resistance	no water passing	AATCC 42-2000
Water permeability	no water passing	CSA A220.1-06
Long term sag	no sag	CSA A220.1-06
Flame spread	0	ASTM E84-09
	NFPA Class A; UBC Class I	
Smoke developed	40	ASTM E84-09
	NFPA Class A; UBC Class I	
Air permeance	< 0.02 l/(s x m ²) @ 75 Pa	ASTM E2178
Emittance	0.4	ASTM C1371-04a
Solar reflectance	49 %	ASTM C1549-04
Temperature range	-40 °F to +176 °F (-40 °C to +80 °C)	
Mass per unit area	approx. 5.14 oz/yd ² (175 g/m ²)	
Roll weight	approx. 29 lb (13 kg)	
Roll length	164' (50m)	
Roll width	4' 11" (1.5 m)	
Maximum UV (sunlight) exposure	Always cover as soon as possible. Maximum exposure 8 week.	
DELTA® Accessories	DELTA®-MULTI BAND 2" x 82' DELTA®-FLEXX-BAND 4" x 33' DELTA®-THAN 310 ml cartridge	

ICC ESR-2625 DELTA® Synthetic Roofing Underlayments

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