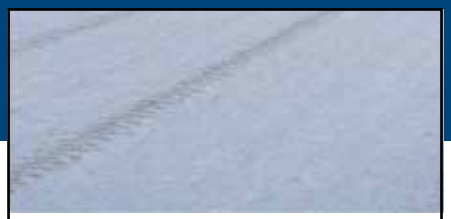
TenCate Mirafi®

TruPave® Engineered Paving Mat

Nonwoven Pavement Interlayer


TruPave® Engineered Paving Mat

OUR COMPANY

TenCate™ develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

OUR PRODUCT

As North America's "Master Distributor" of Owens Corning's TruPave® Engineered Paving Mat, TenCate™ Geosynthetics is committed to providing innovative and emerging technologies used to extend the service life of asphalt pavement overlays. TruPave® has been specifically designed to provide high modulus tensile strength while creating a moisture barrier to retard the effects of reflective cracking that accelerate the deterioration of the new asphalt pavement overlay. TruPave® is a hybrid fiberglass and polyester paving mat, that when saturated in asphalt cement, forms a monolithic water barrier to limit water intrusion in the pavement. In addition, TruPave® has high tensile strength at low elongation (strain), that is, energy is absorbed and dispersed, mitigating the advent of reflective cracking. TruPave®'s unique, nonwoven, randomly dispersed fiberglass contruction process, gives your pavement 360 degree tensile reinforcement. Because pavements crack in all directions, the forces that cause cracking can be curtailed with the addition of TruPave® in your pavement overlay application.

The Difference TruPave® Engineered Paving Mat Makes:

- Millable and recyclable: TruPave® will breakdown under milling operations due to the unique use of fiberglass and polyester fibers; it is perfect for use in recycled asphalt paving mixes for sustainability and reducing the carbon footprint of producing virgin asphalt mixes and conventional pavement removal techniques.
- Improves fatigue resistance in flexible pavements: Laboratory testing proves that TruPave's® high tensile strength improves flexural pavement performance under loading.
- Pavements exhibit multi-directional cracking and provides a stress relief interlayer against reflective and fatigue crack development in new hot mix overlays due to the TruPave's® unique nonwoven fiber matrix construction, tensile strengths and translated to the pavement in a 360° radial manner.
- Helps to reduce the long-term maintenance and rehabilitation costs associated with pavements.
- Withstands the higher temperatures of today's hot mix asphalt paving mixes.

OUR APPLICATIONS

TruPave® is specifically designed to be used in hot mix overlay applications over existing asphalt and/or concrete pavement, or in new construction between the asphalt layers. It is recommended to follow Owens Corning's Installation Guidelines. TruPave® Engineered Paving Mat is ideal for:

- Highways
- Urban Streets
- Airports
- Bridge Decks
- Parking Lots
- Shopping Centers

OUR PROCESS

TruPave® Engineered Paving Mat is manufactured using a wet-formed process, comprised of fiberglass and polyester fibers blended in an aqueous latex resin. This unique manufacturing process ensures that the fibers uniformly disperse and form a strong interlocking mat that will deliver tensile strength in all directions.

TruPave® is available in the following sizes:
12'6" x 360' (500 sy)
10'- 0" x 360' (400 sy)
6'- 3" x 360' (250 sy)

OUR SERVICE

TenCate™ offers complete application technical assistance. Our comprehensive service includes assistance during design, specification and throughout the process. TenCate™ makes the difference.

Protective & Outdoor Fabrics
Aerospace Composites
Armour Composites
Geosynthetics
Industrial Fabrics
Synthetic Grass

TenCate™
materials that make a difference

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Technical Data (All values are minimum average roll values)

Mechanical Properties	Test Method	Unit	Roll Value		
			Nominal	Max.	Min.
Tensile Strength (MD)	ASTM D 5035	lbf/2 in	80		45[1]
Tensile Strength (CD)	ASTM D 5035	lbf/2 in	70		45[1]
Tensile Strength (bias angle)[2]	ASTM D 5035[3]	lbf/2 in	70		45
Elongation @ max load	ASTM D 5035	%	< 5		
Melting Point	ASTM D 276	F° (C°)	> 446 (> 230)	> 446 (> 230)	> 446 (> 230)
Mass/Unit Area	ASTM D 5261	oz/yd² (g/m²)	4.1 (136.6)	4.4 (146.3)	3.7 (125.0)

[1] Minimum MD and CD tensile per ASTM D 7239, Type I material specification (200N/50mm)

[2] In paving applications, bias angle tensile strength can be a factor in mitigating multi-directional crack propagation

[3] Modified test sample is cut on a 45⁰ angle and tested according to ASTM D 5035

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ISO 9001
FM 61026

TENCATE™
materials that make a difference