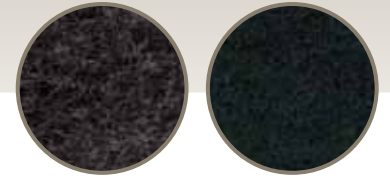


# PROPEX PAVING PRODUCTS



Our Petromat® and Petrotac® paving products are designed to extend the life of highways, city streets, parking areas and airport pavements. These easily installed interlayer products address specific pavement problems by providing a moisture barrier against water intrusion and a stress absorbing membrane to retard reflective cracking. They also lower the life-cycle cost of pavements by improving performance and reducing maintenance.

## FEATURES & BENEFITS

- ▶ Absorbs and dissipates stresses in the pavement to reduce reflective and fatigue cracking
- ▶ Minimizes water infiltration through the pavement
- ▶ Used in new and existing pavements
- ▶ Easy to handle and install
- ▶ Knowledgeable technical support

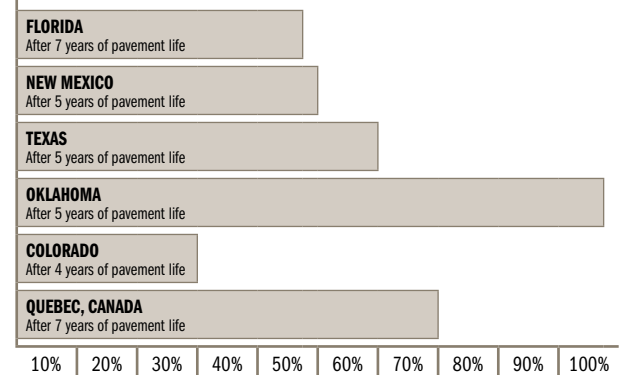
Outperforms and is more cost-effective than conventional pavement technologies including:

- ▶ Milling + Overlay
- ▶ Thicker overlays
- ▶ Expensive specialty mixes
- ▶ Surface treatments

## PROPEX PAVING PRODUCT FAMILY TABLE

PETROMAT®	PETROTAC®
4597	4591
4598	
4599	

REDUCTION IN OVERLAY REFLECTIVE CRACKING WITH THE PETROMAT® SYSTEM COMPARED TO CONTROL SECTIONS WITH NO FABRIC



## APPLICATION RECOMMENDATIONS FOR PROPEX PAVING PRODUCTS

APPLICATIONS	PAVING STYLE
Use as moisture barrier and stress absorbing interlayer beneath asphalt overlay or a chip seal	Petromat® 4597 Petromat 4598 Petromat 4599
Use as strip membrane to treat local pavement distress and joints and cracks; effective over moderate cracks/joints	Petrotac® 4591
Use as bridge deck membrane moisture barrier	Petrotac 4591

## PETROMAT® PROPERTY TABLE<sup>1</sup> ENGLISH & METRIC UNITS

	PROPERTY	TEST METHOD	VALUE <sup>3</sup>	UNIT	<u>4597</u>	<u>4598</u>	4599
MECHANICAL	UNIT WEIGHT	ASTM D-5261	MARV	oz/yd <sup>2</sup>	4.6	4.1	3.6
				g/m <sup>2</sup>	156	140	122
	GRAB TENSILE STRENGTH	ASTM D-4632	MARV	lb	120	101	90
				N	530	450	400
	GRAB ELONGATION	ASTM D-4632	MARV	%	50	50	50
MULLEN BURST	ASTM D-3786	MARV	psi kPa	230 1580	200 1370	180 1240	
ENDURANCE	ASPHALT RETENTION	ASTM D-6140	MARV	gal/yd <sup>2</sup>	0.24	0.20	0.20
				l/m <sup>2</sup>	1.1	0.90	0.90
	UV RESISTANCE	ASTM D-4355	MARV	% Retained @ 150 hours	70	70	70

NOTES: 1. The property values listed are effective 06/2009 and are subject to change without notice. 2. Values reported in weaker principal direction. 3. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported. 4. Petromat is heat set on the top side to facilitate installation. 5. Underlined styles meet and/or exceed the American Association of State Highway Transportation Officials (AASHTO) M288-05 specifications.

## PETROTAC® PROPERTY TABLE<sup>1</sup> ENGLISH & METRIC UNITS

	PROPERTY	TEST METHOD	VALUE <sup>2</sup>	UNIT	4591
MECHANICAL	STRIP TENSILE	ASTM D-882 (modified)	MARV	lb/in	50
				N/m	8760
	PUNCTURE RESISTANCE	ASTM E-154	MARV	lb N	200 890
ENDURANCE	PERMEANCE-PERMS	ASTM E-96 method B	MARV	max	0.05
	PLIABILITY- 1/4" Mandrel 180° blend at -25°F	ASTM D-146 (modified)	MARV	—	No cracks in fabric or rubberized asphalt

NOTES: 1. The property values listed are effective 06/2009 and are subject to change without notice. 2. All values listed are Minimum Average Roll Values (MARV) unless otherwise noted, calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported. 3. Petrotac has a unique top coating of asphalt on the top side to ensure a good bond to the overlay.

For downloadable documents like construction specifications, installation guidelines, case studies and other technical information, please visit our web site at [geotextile.com](http://geotextile.com). These documents are available in easy-to-use Microsoft® Word formats.



THE ADVANTAGE CREATORS.™

Propex Operating Company, LLC PH: 423 899 0444  
6025 Lee Highway, Suite 425 PH: 800 621 1273  
PO Box 22788 FAX: 423 899 7619  
Chattanooga, TN 37422 [www.geotextile.com](http://www.geotextile.com)

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