PETROMAT®
Enviro _The Recyclable Paving Fabric_

PETROMAT® Enviro™ is a needle-punched nonwoven polypropylene paving fabric that is millable, recyclable, and compatible with placement directly on milled and smooth pavement surfaces. PETROMAT Enviro is a moisture barrier and stress absorbing interlayer beneath asphalt overlays or chip seals. Petromat Enviro has 360 degrees of strength homogeneity, not achieved by scrim reinforced geosynthetic interlayers, is patent pending and produced by Propex to meet the following values when tested in accordance with the methods listed below.

PETROMAT Enviro conforms to the property values listed below. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

PROPERTY	Test Method	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured		100%	100%
PHYSICAL			
Mass/Unit Area[2]	ASTM D-5261	4.1 oz/sy	140 g/sm
Color	Visual	Solar Reflective Green	
Solar Reflectance Temperature Reduction[5]	Measured	up to 50 degrees F	up to 10 degrees C
Thickness[2]	ASTM D5199	35 mils	0.89 mm
Asphalt Saturated Thickness	ASTM D6140 & D5199	70 mils	1.78 mm
MECHANICAL			
Strip Tensile Strength[2] (MD, CMD, and 45 bias)	ASTM D5035 (2-CE)	45 lbs.	200 N
Strip Tensile Elongation[2] (MD, CMD, and 45 bias)	ASTM D5035 (2-CE)	>40%	>40%
Grab Tensile Strength[2] (MD, CMD, and 45 bias)	ASTM D4632	101 lbs	450 N
Grab Tensile Elongation[2] (MD, CMD, and 45 bias)	ASTM D4632	>50%	>50%
Asphalt Saturated Grab Tensile Strength[4] (MD, CMD, and 45 bias)	ASTM D6140 & D4632	230 lbs	1023 N
Asphalt Saturated Grab Tensile Elongation[4] (MD, CMD, and 45 bias)	ASTM D6140 & D4632	>40%	>40%
Trapezoidal Tear Strength[5]	ASTM D4533	< 50 lbs	< 222 N
Asphalt Saturated Trapezoidal Tear Strength[3]	ASTM D6140 & D4533	< 30 lbs	< 133 N
Hydraulic Bursting Strength[2]	ASTM D3786	200 psi	1380 kPa
Melting Point[2]	ASTM D276	325 ºF	163 ºC
MOISTURE BARRIER PERFORMANCE			
Asphalt Saturated Permeability[4]	FDOT FM 5-565	$<10^{-4}$ cm/sec	$<10^{-4}$ cm/sec
Asphalt Retention[4]	ASTM D6140	0.2 gal./sq. yd.	0.9 l/sm
Roll Sizes		10.5 ft x 360 ft 12.5 ft x 360 ft	3.20 m x 109.7 m 3.81 m x 109.7 m

NOTES:

1. Table represents values in the weakest principal direction.

1. Minimum Average Roll Value (MARV) shown.

2. Maximum Test Value (MaxTV) per ASTM D8102 performed annually by third party testing.

3. Minimum Test Value (MinTV) per ASTM D8102 performed annually by third party testing.

4. Field evaluation verified by third party testing.

5. Propex suggests that the minimum temperature of the asphalt overlay be 280 °F during installation. For installation guidelines refer to the PETROMAT® installation guideline found at www.propexglobal.com and www.petromat.com.

6. The property values listed above are effective 01/19/2021 and are subject to change without notice. Values represent testing at time of manufacture.

Propex® GEOSOLUTIONS

ENGINEERED PAVING SOLUTIONS™

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