



# REFLECTEX®

The Concrete Interlayer Bondbreaker

## Product Data

1541

REFLECTEX® 1541 Heat Reflective Concrete Pavement Interlayer Geotextile is a polypropylene, staple fiber, needlepunched nonwoven geotextile produced by Propex for use as an interlayer for separating cementitious pavement sections. The fibers are needled to form a stable network that retains dimensional stability relative to each other. REFLECTEX 1541 reduces strength-stress ratios during early age concrete curing and is resistant to biological and chemical environments normally found in soils.

REFLECTEX 1541 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

Color	Visual		White	
Mass/Unit Area <sup>2</sup>	ASTM D-5261		14.7 oz/yd <sup>2</sup>	498 g/m <sup>2</sup>
Thickness 2 kPa Pressure <sup>3</sup>	ASTM D-5199	EN ISO 9863-1	120 mils	3.0 mm
Thickness 20 kPa Pressure <sup>3</sup>	ASTM D-5199	EN ISO 9863-1	100 mils	2.5 mm
Thickness 200 kPa Pressure <sup>3</sup>	ASTM D-5199	EN ISO 9863-1	40 mils	1.0 mm

### MECHANICAL

Wide Width Tensile <sup>2</sup>	ASTM D-4595	EN ISO 10319	685 lbs/ft	10 kN/m
Wide Width Tensile Elongation <sup>2</sup>	ASTM D-4595	EN ISO 10319	130%	130%

### HYDRAULIC

Water Permeability in Normal Direction 20 kPa Pressure <sup>3</sup>	ASTM D-5493	DIN 60500-4	3.3 x 10 <sup>-4</sup> ft/sec	1.0 x 10 <sup>-4</sup> m/sec
In-Plane Water Permeability 20 kPa Pressure <sup>3</sup>	ASTM D-6574	EN ISO 12958	1.6 x 10 <sup>-2</sup> ft/sec	5.0 x 10 <sup>-4</sup> m/sec
In-Plane Water Permeability 200 kPa Pressure <sup>3</sup>	ASTM D-6574	EN ISO 12958	6.6 x 10 <sup>-4</sup> ft/sec	2.0 x 10 <sup>-4</sup> m/sec

### ENDURANCE

Weather Resistance <sup>3</sup>	ASTM D-4355	EN ISO 12224	70% Strength Retained at 500 hours	70% Strength Retained at 500 hours
Alkali Resistance <sup>3</sup>	-	EN ISO 13249, Annex B	≥ 97% Polypropylene	≥ 97% Polypropylene

### NOTES:

- The property values listed above are effective 01/09/2020 and are subject to change without notice. Values represent testing at time of manufacture.
- MARV values shown represent weaker principal direction. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.
- Minimum values shown and represent weaker principal direction.



ENGINEERED PAVING SOLUTIONS™

www.propexglobal.com

Propex Operating Company, LLC · 4019 Industry Drive · Chattanooga, TN 37416 · ph 800 621 1273 · ph 423 855 1466

ARMORMAX®, PYRAMAT®, LANDLOK®, X3®, PYRAWALL®, SCOURLOK®, GEOTEX®, PETROMAT®, PETROTAC®, REFLECTEX®, and GRIDPRO™ are registered trademarks of Propex Operating Company, LLC.

This publication should not be construed as engineering advice. While information contained in this publication is accurate to the best of our knowledge, Propex does not warrant its accuracy or completeness. The ultimate customer and user of the products should assume sole responsibility for the final determination of the suitability of the information and the products for the contemplated and actual use. The only warranty made by Propex for its products is set forth in our product data sheets for the product, or such other written warranty as may be agreed by Propex and individual customers. Propex specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.