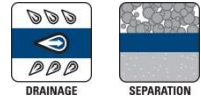


## Mirafi® 1450BB



Mirafi® 1450BB Bond Breaker is a needlepunched nonwoven with no heat treatment composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 1450BB Bond Breaker is an interlayer for separating cementitious pavement layers on unbonded concrete overlays. Mirafi® 1450BB Bond Breaker is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by [a2La](#) (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)). [NTPEP Number: GTX-2013-01-053](#)

Mechanical Properties	Test Method	Unit	Roll Value
Weight	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	14.0 (475)
Thickness Under Load	ASTM D5199	mils (mm)	118 (3.0)
0.29 psi (2 kPa) <sup>1</sup>		mils (mm)	98 (2.5)
2.9 psi (20 kPa) <sup>1</sup>		mils (mm)	39 (1.0)
29 psi (200 kPa) <sup>1</sup>	ASTM D4595	lbs/ft (kN/m)	685 (10)
Wide Width Tensile Strength <sup>2</sup>	ASTM D4595	%	130
Wide Width Elongation <sup>3</sup>	ASTM D5493		
<i>Water Permeability in Normal Direction under load</i>			
2.9 psi (20 kPa) <sup>1</sup>	ASTM D5493	m/s	1 x 10 <sup>-4</sup>
<i>In-plane Water Permeability</i>	ASTM D6574		
2.9 psi (20 kPa) <sup>2</sup>		m/s	5 x 10 <sup>-4</sup>
29 psi (200 kPa) <sup>2</sup>		m/s	2 x 10 <sup>-4</sup>
Alkali Resistance <sup>1</sup>	EN 13249	%	96
UV Resistance (at 500 hours) <sup>1</sup>	ASTM D4355	% strength retained	70

Physical Properties	Unit	Typical Value	
Roll Dimensions (width x length)	ft (m)	13 x 300 (4 x 91)	14 x 300 (4.3 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	433 (362)	467 (390)
Estimated Roll Weight	lb (kg)	402 (182)	433 (196)

<sup>1</sup> Actual Test Value based on Third Party results

<sup>2</sup> Minimum

<sup>3</sup> Maximum

*Water Permeability (ASTM D5493), In-plane Water Permeability (ASTM D6574), Alkali Resistance (EN 13249)* is not covered by our current A2LA accreditation.

**Disclaimer:** TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

Mirafi® is a registered trademark of Nicolon Corporation

Copyright © 2013 Nicolon Corporation. All Rights Reserved.



PO Box 87380  
Carol Stream, IL 60188  
630.293.3111

[www.roadfabrics.com](http://www.roadfabrics.com)



GAI-LAP-25-97



**TENCATE**  
materials that make a difference



Testing Lab 1291.01 & 1291.02