

Mirafi® MPBBC1450 (1450BBC)



Mirafi® MPBBC1450 (1450BBC) 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® MPBBC1450 (1450BBC) Bond Breaker is an interlayer for separating cementitious pavement layers on unbonded concrete overlays. Mirafi® MPBBC1450 (1450BBC) Bond Breaker is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

| Mechanical Properties | Test Method | Unit | Roll Value |
|--|-------------|--|----------------------|
| Weight | ASTM D5261 | oz/yd ² (g/m ²) | 14.7 (498) |
| Thickness Under Load | ASTM D5199 | | |
| 0.29 psi (2 kPa) ¹ | | mils (mm) | 118 (3.0) |
| 2.9 psi (20 kPa) ¹ | | mils (mm) | 98 (2.5) |
| 29 psi (200 kPa) ¹ | | mils (mm) | 39 (1.0) |
| Wide Width Tensile Strength ² | ASTM D4595 | lbs/ft (kN/m) | 685 (10) |
| Wide Width Elongation ³ | ASTM D4595 | % | 130 |
| <i>Water Permeability in Normal Direction under load</i> | ASTM D5493 | | |
| 2.9 psi (20 kPa) ¹ | | m/s | 1 x 10 ⁻⁴ |
| <i>In-plane Water Permeability</i> | ASTM D6574 | | |
| 2.9 psi (20 kPa) ² | | m/s | 5 x 10 ⁻⁴ |
| 29 psi (200 kPa) ² | | m/s | 2 x 10 ⁻⁴ |
| Alkali Resistance ¹ | EN 13249 | % | 96 |
| UV Resistance (at 500 hours) ¹ | ASTM D4355 | % strength retained | 70 |

| Physical Properties | Unit | Typical Value |
|----------------------------------|-----------------------------------|---------------------|
| Roll Dimensions (width x length) | ft (m) | 14 x 300 (4.3 x 91) |
| Roll Area | yd ² (m ²) | 467 (390) |
| Estimated Roll Weight | lb (kg) | 485 (220) |

¹ Actual Test Value based on Third Party results

² Minimum

³ 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.