



Mirafi® MPBBC1450

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	TYPICAL ROLL VALUE	
			MD	CD
Wide Width Tensile Strength ¹	ASTM D4595	lbs/ft (kN/m)	685 (10)	685 (10)
Wide Width Elongation ²	ASTM D4595	%	130	130
Thickness Under Load: ³				
0.29 psi (2 kPa) ⁴	ASTM D5199	mils (mm)	118 (3.0)	
2.9 psi (20 kPa) ⁴	ASTM D5199	mils (mm)	98 (2.5)	
29 psi (200 kPa) ⁴	ASTM D5199	mils (mm)	39 (1.0)	
Water Permeability in Normal Direction Under Load: ³				
2.9 psi (20 kPa)	ASTM D5493	m/s	1 x 10 ⁻⁴	

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM TEST VALUE
In-Plane Water Permeability: ³			
2.9 psi (20 kPa)	ASTM D6574	m/s	5 x 10 ⁻⁴
29 psi (200 kPa)	ASTM D6574	m/s	2 x 10 ⁻⁴
Alkali Resistance ⁴	EN 13249, Annex B	%	97
Weight	ASTM D5261	oz/yd ² (g/m ²)	14.7 (498)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70

PHYSICAL PROPERTIES	UNIT	TYPICAL ROLL 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)
Label Roll Color		WHITE

¹ Minimum

² Maximum

³ Value determined from independent testing

⁴ Polymer Content

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