



## Mirafi<sup>®</sup> FGC50

Mirafi<sup>®</sup> FGC50 is composed of high modulus fiberglass grids that are bonded to a nonwoven paving fabric meeting AASHTO specifications. Mirafi<sup>®</sup> FGC50 products are specifically designed for use in the construction and repair of flexible (asphalt) and rigid (concrete) pavements such as roads, parking lots, airfields, and other paved surfaces.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
<b>Grid</b>				
Tensile Strength (at ultimate)	ASTM D 6637 <sup>1</sup>	kN/m (lbs/in)	50.0 (286)	50.0 (286)
Tensile Strength (at 2% strain)	ASTM D 6637 <sup>1</sup>	kN/m (lbs/in)	25.0 (143)	25.0 (143)
Ultimate Elongation	ASTM D 6637 <sup>1</sup>	%	< 3	
Junction Strength	GRI/GG-2	kN (lbs)	0.05 (10)	
Peel Strength <sup>2</sup>	ASTM D 413	kN/m (lbs/ft)	0.29 (20)	
Aperture Size <sup>3</sup> (typical value)	---	mm (in)	21.6 (0.85)	21.6 (0.85)
<b>Fabric</b>				
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.45 (101)	
Grab Tensile Elongation	ASTM D 4632	%	50	
Asphalt Retention <sup>2</sup>	ASTM D 6140	l/m <sup>2</sup> (gal/yd <sup>2</sup> )	0.91 (0.20)	
Mass / Unit Area	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	139.0 (4.1)	

Physical Properties (Grid/Fabric)	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	406.8 (12)
Roll Dimensions (width x length)	--	m (ft)	2 (6.6) x 55 (180)
Roll Area	--	m <sup>2</sup> (yd <sup>2</sup> )	110.4 (132)
Estimated Roll Weight	---	kg (lbs)	44.91 (99)

<sup>1</sup>Modified test method tested at outside laboratory

<sup>2</sup>Test run with grid adhered to fabric

<sup>3</sup>Centerline to centerline

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