



# MIRAFI H<sub>2</sub>Ri

MIRAFI® H<sub>2</sub>Ri is a revolutionary geosynthetic created from super high-tenacity polypropylene filaments and patented moisture management filaments formed into an innovative weave to provide superior reinforcement strength and soil interaction integrated with high soil retention and moisture management capabilities.

Geosynthetic directionally draws water via capillary action.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MIRAFI® H<sub>2</sub>Ri meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Wide Width Tensile Strength	ASTM D4595	lbs/ft (kN/m)	5280 (77.0)	5280 (77.0)
Wide Width Tensile Strength @ 2% strain	ASTM D4595	lbs/ft (kN/m)	480 (7.0)	1080 (15.8)
<b>MAXIMUM OPENING SIZE</b>				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
<b>MINIMUM ROLL VALUE</b>				
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.4	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	30 (1222)	
<b>TYPICAL</b>				
Pore Size (050)	ASTM D6767	microns	180	
Pore Size (060)	ASTM D6767	microns	234	
Pore Size (095)	ASTM D6767	microns	391	
<b>MINIMUM TEST VALUE</b>				
Wet Front Movement <sup>1</sup> (24 minutes)	ASTM C1559 <sup>2</sup>	inches	6.0 Vertical direction	
Wet Front Movement <sup>1</sup> (983 minutes) Zero Gradient	ASTM C1559 <sup>2</sup>	inches	73.3 Horizontal direction	
<b>PHYSICAL PROPERTIES</b>		<b>UNIT</b>	<b>TYPICAL ROLL VALUE</b>	
Roll Dimensions (width x length)		ft (m)	15 x 300 (4.59 x 91.44)	
Roll Area		yd <sup>2</sup> (m <sup>2</sup> )	500 (418)	

<sup>1</sup> ‘STP’: Standard Temperature and Pressure

<sup>2</sup> Modified

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FGS000731 ETQR17 U.S. Patent 7,874,767 and 8,070,395

