



**EXCESSIVE MOISTURE
IN SUBGRADES &
BASE COURSES**

Mirafi[®] H₂Ri removes water and reduces the moisture content of subgrades and aggregate base courses, increasing the modulus and improving pavement performance.

**FROST HEAVE/
THAW WEAKENING**

Mirafi[®] H₂Ri reduces the moisture content of frost-susceptible soils, mitigating pavement damage caused by differential frost heave and thaw weakening.

EXPANSIVE SOILS

Mirafi[®] H₂Ri controls the variability in moisture content in expansive soils to reduce the severity of shrink/swell and edge cracks on roadways.



POTHOLES



PAVEMENT DAMAGE



EDGE CRACKS



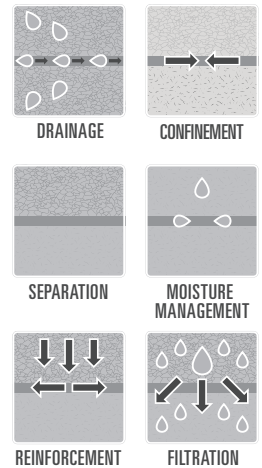
Attack the Threat

Moisture is the Threat to Roadways and Civil Structures



Mirafi® H₂Ri aggressively manages moisture and mitigates its impact on the construction and maintenance of roadways and civil structures.

Mirafi® H₂Ri is the only solution in the geosynthetic market that integrates the traditional reinforcement and stabilization functions with a continuous moisture management system.



Mechanical Properties	Test Method	Units	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 @ 2% Strain	ASTM D4595	lbs/ft (kN/m)	480 (7.0)	1080 (15.8)
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec ⁻¹	0.40	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	30 (1222)	
			Minimum Test Value	
Pore Size O ₅₀	ASTM D6767	microns	85	
Pore Size O ₉₅	ASTM D6767	microns	195	
Wet Front Movement ¹ (24 minutes)	ASTM C1559 ²	inches	6.0 vertical direction	
Wet Front Movement ¹ (983 minutes) Zero Gradient	ASTM C1559 ²	inches	73.3 horizontal direction	
Physical Properties				
Roll Dimensions (width x length)		ft (m)	15 x 300 (4.57 x 91.4)	
Roll Area		yd ² (m ²)	500 (418)	

¹ 'STP': Standard Temperature and Pressure ² Modified

