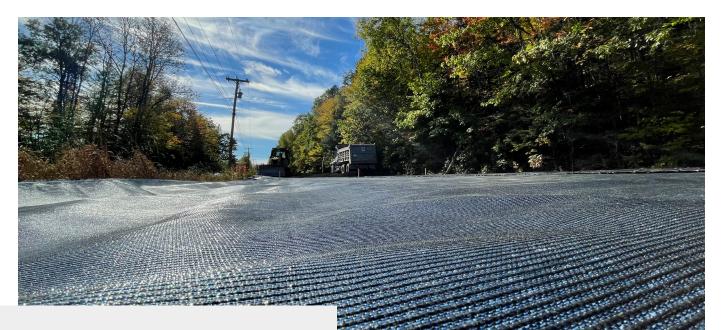


# MIRAFI H2Ri

## Moisture Management Geosynthetic with Reinforcement/Stabilization

**MIRAFI®** H<sub>2</sub>R*i* provides enhanced lateral drainage of soil/aggregate materials through continuous moisture management in addition to providing the key performance functions of reinforcement, confinement, separation and filtration.



MIRAFI H<sub>2</sub>R*i* has unique hygroscopic wicking yarns that provide enhanced drainage along the plane of the geosynthetic. This leads to a unique ability to remove water from roadways and other structures in unsaturated conditions.

## Applications

- ⊗ Paved Roadways
- ⊗ Unpaved Roadways
- ⊗ Airport Pavements
- ⊗ Parking Lots

## **Primary functions**

- Moisture Management
- Reinforcement
- Filtration
- Separation
- Confinement

### **Proven Performance**

- Removes water in saturated or unsaturated conditions
- Increases performance life of the roadway
- Mitigates frost heave and frost boils
- Mitigates lateral edge cracking in expansive clays
- Replaces drainage fill in high water table areas
- Excellent soil and base course confinement resulting in greater load distribution

# MIRAFI H2Ri

**MIRAFI** H<sub>2</sub>R*i* features wicking filaments formed into an innovative weave pattern to reduce the moisture content in unsaturated conditions. In addition, higher tensile strength properties and a double layer construction provide excellent separation with superior filtration, interaction and reinforcement. This combined moisture management and reinforcement creates more cost effective and sustainable solutions for roadways and railways.

PROPERTY	TEST METHOD	UNIT	<b>H₂Rİ</b> (PATENT #7,874,767 AND 8,070,395)
			MINIMUM AVERAGE ROLL VALUE
Wide Width Tensile Strength (MD)	ASTM D4595	lbs/ft (kN/m)	5280 (77.0)
Wide Width Tensile Strength (CD)	ASTM D4595	lbs/ft (kN/m)	5280 (77.0)
Wide Width Tensile Strength @ 2% strain (MD)	ASTM D4595	lbs/ft (kN/m)	480 (7.0)
Wide Width Tensile Strength @ 2% strain (CD)	ASTM D4595	lbs/ft (kN/m)	1080 (15.8)
		M	AXIMUM OPENING SIZE
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)
		MI	NIMUM AVERAGE ROLL VALUE
Permittivity	ASTM D4491	SeC-1	0.4
Flow Rate	ASTM D4491	gal/min/ft² (l/min/m²)	30 (1222)
			MINIMUM TEST VALUE
Pore Size (050)	ASTM D6767	microns	85
Pore Size (095)	ASTM D6767	microns	195
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 C1599 <sup>2</sup>	inches	73.3 Horizontal direction
PHYSICAL PROPERTIES			
Roll Width		ft (m)	15 (4.6)
Roll Length		ft (m)	300 (91)
Roll Area		yd² (m²)	500 (418)
Label Roll Color			BLUE

#### NOTES:

1 'STP': Standard Temperature and Pressure

<sup>2</sup> Modified

Rolls should be covered during shipment and properly stored.

### 365 South Holland Drive Pendergrass, GA 30567 1 706 693 2226

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