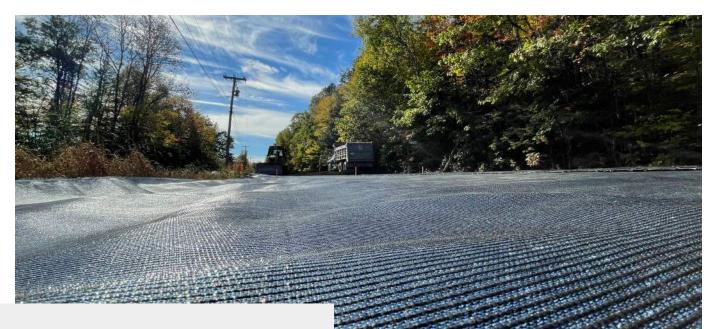


MIRAFI H2Ri

Moisture Management Geosynthetic with Reinforcement/Stabilization

MIRAFI® H₂R*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 H₂R*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 H₂R*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 | H₂Ri (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 ¹ (24 minutes) | ASTM C1559 ² | inches | 6.0 Vertical direction |
| Wet Front Movement ¹ (983 minutes) Zero Gradient | ASTM C1599 ² | 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

² Modified

Rolls should be covered during shipment and properly stored.

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