

MIRAFI H2Rx

MIRAFI® H2Rx is a multi-functional stabilization geotextile engineered specifically for road pavements and railway structures with mechanical stabilization and moisture management capabilities. The super high tenacity polypropylene yarns allow mobilization of tensile resistance for reinforcement benefits at low working strains of 2%. The proprietary moisture wicking yarns have the capability to move soil moisture and dissipate it sideways horizontally even under unsaturated soil conditions. The highly texturized woven geotextile surface results in a product with superior frictional resistance to provide excellent soil bonding and confinement against the lateral spreading of gravels at the interface of the geotextile and the structural aggregate layer.

Properties		Test Standard	Unit	H2Rx
Mechanical				
Tensile strength at 2% strain	MD	ISO 10319	kN/m	20
Tensile strength at 2% strain	CD	ISO 10319	kN/m	20
Tensile strength at 5% strain	MD	ISO 10319	kN/m	50
Tensile strength at 5% strain	CD	ISO 10319	kN/m	50
CBR puncture strength		ISO 12236	kN	9
UV resistance ¹		EN 12224	% retained	90
Hydraulic				
Pore size, O ₉₀		ISO 12956	mm	0.30
Water permeability, Q ₅₀		ISO 11058	l/m ² /min	1500
Moisture management				
Vertical wet front movement @ 25 min	CD	ASTM C1559 ²	mm	150
Horizontal wet front movement @ 1000 min	CD	ASTM C1559 ²	mm	1900
Form of supply				
Roll width			m	4.5
Roll length			m	100

NOTES :

- (1) Mean of MD & CD
- (2) Modified test method

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