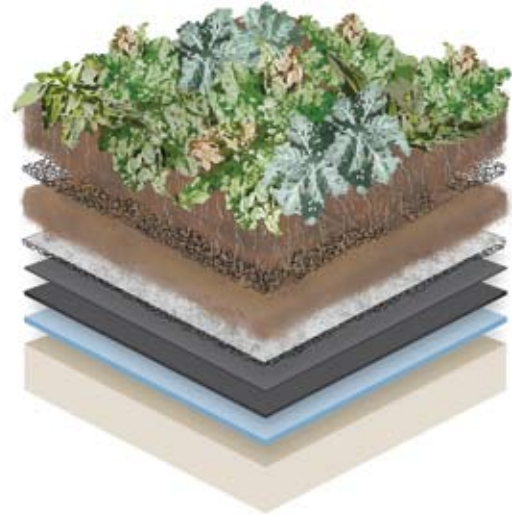


**WATAIRVENT® GR .40 F / DRAINAGE MAT**

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**Description**

Watairvent GR is an effective and eco-friendly drainage composite tough enough to handle any rooftop soil load. The beefed up drainage core flexes under foot and light machine traffic leaving an open structure for maximum, multi-directional water flow. The heavy-duty polyester filter fabric lets water pass through but keeps soil particles from clogging up the core. Watairvent promotes unobstructed water and air flow to help keep the structural elements of the roof in peak condition.



**Benefits**

- ▶ Made of 100% recycled content
- ▶ 3" flap makes joining pieces easy
- ▶ Cuts easily with utility knife / scissors
- ▶ Will not trap water
- ▶ Able to withstand extreme temperatures
- ▶ Contributes to LEED points

**Applications**

- ▶ Intensive and extensive green roofs
- ▶ Outdoor / indoor planters
- ▶ Sloped or contoured roofs
- ▶ Vegetated plaza decks

PHYSICAL DATA	UNITED STATES	CANADA
Core Material	Nylon 6	Nylon 6
Fabric Material	Polyester	Polyester
Thickness	0.355 in	9.01 mm
Roll Weight	32 lbs	15.52 kg
Length	100 ft	30.48 m
Width	39.0 in	99.06 cm
Coverage Area	36.11 yds <sup>2</sup>	30.193 m <sup>2</sup>

*Note: 8 Rolls per pallet / 24 Pallets per truckload / Special lengths available upon request.*

TECHNICAL DATA	UNITED STATES	CANADA	TEST METHOD
Mass / Unit Area (composite)	13.94 oz/yds <sup>2</sup>	473 gm/m <sup>2</sup>	ASTM D 5261
Tensile MD	419 lb/ft	6.11 kN/m	ASTM D 5035 mod.
Tensile TD	327 lb/ft	4.78 kN/m	
Elongation MD		53%	ASTM D 5035 mod.
Elongation TD		51%	

*MD=Machine Direction / TD=Transverse Direction*

**WATAIRVENT® GR .40 F / DRAINAGE MAT**

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- ▶ **Typical Green Roof System**
- ▶ **Roof deck**
- ▶ **Insulation board**
- ▶ **Waterproofing membrane**
- ▶ **Root barrier**
- ▶ **Watairvent GR Drainage Mat**
- ▶ **Ground Guard RR / Ground Guard VM**
- ▶ **Growing medium**
- ▶ **Plants**

**FLOW DATA**

Pressure	1.0 Gradient	0.5 Gradient
250 psf	4.41 GPM/ft	2.84 GPM/ft
500 psf	3.24 GPM/ft	2.10 GPM/ft
1000 psf	0.90 GPM/ft	0.56 GPM/ft
4000 psf	0.21 GPM/ft	0.11 GPM/ft

*Note: Hydraulic Transmissivity Test performed in accordance with ASTM D 4716*

**Green Roof Products**

- Ground Guard® RR .40 / Root Reinforcement
- Ground Guard® VM .40 F / Vegetated Mat
- Ground Guard® with Fertil-Fabric / Vegetated Mat
- Watairvent® GR .40 F / Drainage Mat

