

## Product Data

# N-VIRE Mat 040-1

A Ventilation Mat for Green Roof Vegetation

### Description

N-VIRE Mat 040-1 is a 0.40-inch, cusped geometric patterned core, ventilation mat designed to promote green roof vegetation.

The product is produced from an extruded nylon matrix of tangled monofilaments, which are heat-welded at the junctions to form a resilient structure that utilizes a non-woven geotextile filter fabric to hold the soil or growing media away from the roof deck and the core. The airspace allows proper ventilation and promotes optimal growing conditions.

### Applications

- ✓ Ventilation of roof vegetation applications
- ✓ Drainage below green roof applications
- ✓ Natural soil separation from growing medium in green roof vegetation
- ✓ Root reinforcement for transportation of extensive roofing plants
- ✓ Root barrier to control migration into natural soils

### Features and Benefits

Nylon core for flexibility and compressibility

High water flow rates – in excess of 10 gallons per minute

Fire resistant – Class A fire-rated product for roofing

Carbon black added for UV stability

Lightweight and easy to handle

Creates proper ventilation

Promotes optimal growing conditions

**Non Woven Spunbound Polyester**  
**0.40" (10.2 MM) CORE**

## Physical Properties

Description	Means of Measurement		Value	
	English/Metric		English/Metric	
Core Polymer	Nylon			
Thickness	Inches	Mm	0.40	10.2
Total Weight	oz/yd <sup>2</sup>	g/m <sup>2</sup>	18.9	641
Core Weight	oz/yd <sup>2</sup>	g/m <sup>2</sup>	17.0	576
Fabric Weight	oz/yd <sup>2</sup>	g/m <sup>2</sup>	1.5	51.0

## Packaging

Description	Means of Measurement		Value	
	English/Metric		English/Metric	
Core Width	Inches	CM	48.0	122
Length	Feet	Meters	100	30.5
Area	Square Feet	Square Meters	400	37.2
Roll Diameter	Inches	CM	?	?
Roll Weight	Pounds	Kg	55	24.9

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