

## 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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