

Description

Enkamat 7010 is a three-dimensional multi-use mat, made of continuous nylon filaments fused at their intersections. 95% of the Enkamat is open and available for planting medium and root interaction with the filaments. Enkamat 7010 is the most effective root reinforcement and green roof plant stabilization mat available. This product may also be used for pre-vegetated plant mats for green roofs, when used with a separate geotextile fabric.

Recommended Applications

- Green roof plant stabilization for sloped and high wind and conditions
- Pre-vegetated green roof mats
- Support and enhance performance of green roof plant material

Features and Benefits

- Excellent durability
- Provides continuous air or water flow even under high loads
- Easy to install — simply roll out and soil fill
- Flexible structure is easy to cut and can be placed horizontally or vertically
- Dimensionally stable in hot weather — not brittle in cold

Technical Data

Physical Properties

Property	English Units	Metric Units	Test Method
Material	Nylon 6		
Thickness	0.40 in	11.43 mm	ASTM D5199
Weight	7.7 oz/yd ²	966.4 g/m ²	ASTM D5261
UV Stability	80% Strength Retained		ASTM G53 ASTM D5035 ²
Low Temperature	-100° F	-73° C	
High Temperature	250° F	121° C	
Fuel/Gasoline Submersion	Stable		
Tensile Strength	MD 160 lbs/ft CD 80 lbs/ft	MD 2.3 kN/m CD 1.2 kN/m	ASTM D5035 ²
pH Range	3 to 12		
Fire Rating	NFPA Class A ¹ UBC Class I ¹		ASTM E84
Flame Spread	25		ASTM E84
Smoke Density	30		ASTM E84

¹ Will not promote flame spread

² Modified

Polymer Properties

Nylon has excellent resistance to a variety of chemicals, alkalines, dilute acids, fuels and solvents found on construction sites. It is lightweight, but also is very wear and abrasion resistant. Nylon also has high tensile strength and a high heat distortion temperature.

Packaging

Property	English Units	Metric Units
Product ID	7010-101-2000	
Core Width	39.0 in	99.1 cm
Length	200.0 ft	61.0 m
Area	72.2 yd ²	60.4 m ²
Area	650.0 ft ²	60.4 m ²
Roll Diameter	28.0 in	71.1 cm
Gross Roll Weight	37.0 lbs	16.8 kg

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