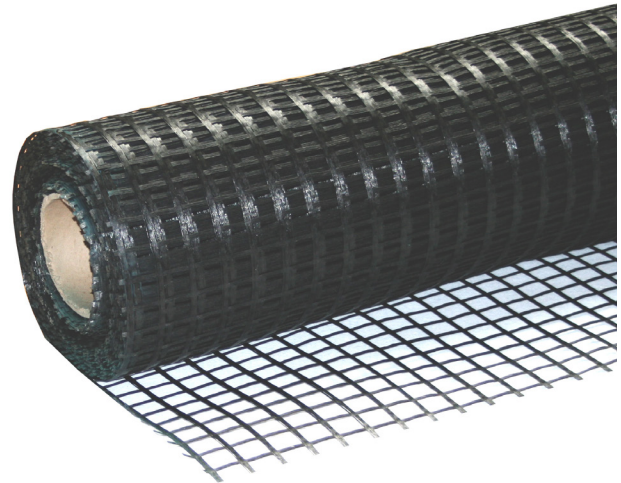


REINFORCING MESH - 20B

Reinforcing Mesh - 20B is a flexible, structural geotextile made from high-strength polyester fibers woven into an open grid. The grid is then coated with a PVC compound that protects the fibers from deterioration in contact with soil microorganisms, acids, and alkalis. The grid is “bi-axial” which means it offers the same strength in both the length and the width directions. This assures consistent strength regardless of the direction loads are applied.

When the mesh is embedded in a gravel bed, gravel enters the large openings and mechanically binds to the mesh. This allows the mesh to distribute concentrated structural loads applied from above, for example vehicle traffic that could damage an underground tank. When the mesh is embedded in green roof growing media, plant roots grow through the large openings and mechanically bind the media to the mesh, preventing wind uplift and preventing damage from foot traffic. Other common applications are slope stabilization and erosion control.



PHYSICAL CHARACTERISTICS

Property	Test Method	US	Metric
Ultimate Strength, MD (marv)	ASTM D6637	2000 lb/ft	29.2 kn/m
Ultimate Strength, CD (marv)	ASTM D6637	2000 lb/ft	29.2 kn/m
Creep-Limited Strength, MD (marv)	ASTM D5262	1250 lb/ft	18.2 kn/m
Creep-Limited Strength, CD (marv)	ASTM D5262	1250 lb/ft	18.2 kn/m
Long-Term Design Strength, MD (marv)	NCMA 97	1050 lb/ft	15.3 kn/m
Long-Term Design Strength, CD (marv)	NCMA 97	1050 lb/ft	15.3 kn/m
Aperture Size (typical)	-	1" x 1"	25 mm x 25 mm
Roll Dimensions (typical)	-	6 ft x 150 ft	1.8 x 45.7 m
Roll Surface Area (typical)	-	900 ft ²	83.6 m ²
Roll Weight (typical)	-	55 lb	245 n

(marv = minimum average roll value; allow 10-15% additional material for overlaps)

INSTALLATION

Rolls of Reinforcing Mesh should be protected from sunlight when stored for any length of time. Cut with a heavy-duty shears or with a utility knife.

To reinforce underground tanks from vehicular traffic, spread and compact at least 6" of angular gravel, unroll Reinforcing Mesh overlapping adjacent sheets approximately 6", then spread and compact at least 12" additional angular gravel above.

To reinforce green roofs from foot traffic, spread and compact green roof planting media, unroll Reinforcing Mesh butting adjacent sheets, then apply sedum mats or grass sods above. For wind protection, extend the mesh beyond the green roof and anchor the mesh perimeter with concrete pavers before installing the mats or sods.