Nedia Enterprises, Inc.

Tel: (888) 725-6999
Fax: (571) 223-0202

Technical Specifications for

Nedia CTRM 800

Nedia CTRM 800 is a composite turf reinforcement mat consisting of a coconut fiber matrix stitch-bonded between two heavyweight UV-stabilized polypropylene nets, reinforced with a biaxial geogrid.

Index Value Properties:

Property	Test method	CTRM 800
Fiber / reinforcement	-	Coir / geogrid / polypropylene
Functional longevity	-	>3 years
Top reinforcement	-	Biaxial geogrid and heavy polypropylene netting
Bottom netting / mesh	-	Heavy polypropylene / 5/8 × 5/8 in
Minimum mass per unit area	ASTM D5261	15.2 oz/yd²
Minimum thickness	ASTM D5199	0.32 in
Dry tensile strength	ASTM D4595	1,788 × 1,284 lb/ft
Dry elongation	ASTM D4595	14 × 15%
Wet tensile strength	ASTM D4595	1,740 × 1,320 lb/ft
Wet elongation	ASTM D4595	12 × 11%
Water absorption	ASTM D1117	137%

Channel Performance Design Values:

Property	Test method	CTRM 800
Short-term flow velocity	ASTM D4491	20 ft/s
Maximum permissible shear stress	-	8.00 lb/ft²
Manning's n roughness coefficient	-	0.026

Standard Roll Size: 7.5 ft × 72 ft

www.nedia.com | info@nedia.com

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