



NORTH AMERICAN GREEN®

EROSION CONTROL Products
Guaranteed **SOLUTIONS**

A **tensar**® Company

PRODUCT APPLICATION GUIDE

Permanent Protection

	Product	Product Description	Typical Applications	Limiting Shear Stress Flow Duration lbs./ft. ² (Pascal)				Permissible Velocity ft./s (m/s)		FHWA FP-03 Category	ECTC Category	Typical Projects
				Bare Soil		Vegetated		Unvegetated	Vegetated			
				0.5 hrs	50 hrs	0.5 hrs	50 hrs					
Permanent	P300	5.0-lb. UV-stable polypropylene top net 100% polypropylene fiber matrix 3.0-lb. UV-stable polypropylene bottom net	1:1 & greater slopes Medium- to high-flow channels Stream banks Shorelines	3.0 (144)	2.0 (98)	8.0 (384)	8.0 (384)	9.0 (2.7)	16.0 (4.9)	Type 5.A and B	Type 5.A and B	Roadside ditches, stream banks, shorelines, steep slopes
Vmax ³ Permanent Composite Turf Reinforcement Mats	SC250	5.0-lb. UV-stable polypropylene top and bottom nets 24.0-lb. UV-stable polypropylene corrugated center net 70% straw/30% coconut fiber matrix	1:1 & greater slopes Medium- to high-flow channels Stream banks	3.0 (144)	2.5 (120)	10.0 (480)	8.0 (383)	9.5 (2.9)	15.0 (4.6)	Type 5.A, B, and C	Type 5.A, B, and C	Roadside ditches, golf course swales, steep slopes, stream banks
	C350	8.0-lb. UV-stable polypropylene top and bottom nets 24.0-lb. UV-stable polypropylene corrugated center net 100% coconut fiber matrix	1:1 & greater slopes High-flow channels Shorelines	3.2 (153)	3.0 (144)	12.0 (576)	10.0 (480)	10.5 (3.2)	20.0 (6.0)	Type 5.A, B, and C	Type 5.A, B, and C	Severe slopes, drainage areas, high-flow areas, stream banks, shorelines
	P550	24.0-lb. UV-stable polypropylene top and bottom nets 24.0-lb. UV-stable polypropylene corrugated center net 100% polypropylene fiber matrix	1:1 & greater slopes Extreme, high-flow channels Shorelines	4.0 (191)	3.25 (156)	14.0 (672)	12.0 (576)	12.5 (3.8)	25.0 (7.6)	Type 5.A, B, and C	Type 5.A, B, and C	Severe slopes, spillways, swales, high-flow areas, shorelines

Note: These guides are for general purposes only. Actual project design and product selection should be developed using North American Green ECMSD[®] software, available at www.nagreen.com.



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PRODUCT APPLICATION GUIDE

Temporary Protection

	Product	Product Description	Longevity	Typical Applications	Permissible Shear Stress, Bare Soil lbs./ft. ² (Pascal)	Max. Flow Velocity ft./s (m/s)	FHWA FP-03 Category	ECTC Category	Typical Projects
Short-Term	S75	1.50-lb. photodegradable polypropylene top net 100% straw fiber matrix	12 months	4:1 to 3:1 slopes Low-flow channels	1.55 (74)	5.00 (1.52)	Type 2.C	Type 2.C	Highways, mines, pipeline, woodlands, golf courses, residential lawns, landfill caps
	DS75	1.50-lb. accelerated photodegradable polypropylene top net 100% straw fiber matrix	45 days						
	S150	1.50-lb. photodegradable polypropylene top and bottom nets 100% straw fiber matrix	12 months	3:1 to 2:1 slopes Medium-flow channels	1.75 (84)	6.00 (1.83)	Type 2.D	Type 2.D	
	DS150	1.50-lb. accelerated photodegradable polypropylene top and bottom nets 100% straw fiber matrix	60 days						
Extended-Term	C125	3.0-lb. UV-stable polypropylene top and bottom nets 100% coconut fiber matrix	36 months	1:1 & greater slopes High-flow channels Stream banks	2.25 (108)	10.00 (3.05)	Type 4	Type 4	Landfill caps, drainage ditches, stream bank restoration, steep slopes
	SC150	3.0-lb. UV-stable polypropylene top net 70% straw/30% coconut fiber matrix 1.50-lb. photodegradable polypropylene bottom net	24 months	2:1 to 1:1 slopes Medium-flow channels	2.00 (96)	8.00 (2.44)	Type 3.B	Type 3.B	Steeper slopes, landfills, moderate drainage swales
BioNet® Biodegradable Erosion Control Blankets	C125BN	9.30-lb. leno-woven biodegradable jute top net 100% coconut fiber matrix 7.70-lb. woven biodegradable jute bottom net	24 months	1:1 & greater slopes High-flow channels Shorelines	2.35 (112)	10.00 (3.05)	Type 4	Type 4	Wetland mitigation, bioengineering, shaded areas, environmentally sensitive sites
	SC150BN	9.30-lb. leno-woven biodegradable jute top net 70% straw/30% coconut fiber matrix 7.70-lb. woven biodegradable jute bottom net	18 months	2:1 to 1:1 slopes Medium-flow channels	2.10 (100)	8.00 (2.44)	Type 3.B	Type 3.B	
	S75BN	9.30-lb. leno-woven biodegradable jute top net 100% straw fiber matrix	12 months	4:1 to 3:1 slopes Low-flow channels	1.60 (76)	5.00 (1.52)	Type 2.C	Type 2.C	
	S150BN	9.30-lb. leno-woven biodegradable jute top net 100% straw fiber matrix 7.70-lb. woven biodegradable jute bottom net	12 months	3:1 to 2:1 slopes Medium-flow channels	1.85 (88)	6.00 (1.83)	Type 2.D	Type 2.D	

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