

Rolled Erosion Prevention Products: A comparison of categories for the 2020 edition of Standard Specification 3885

The new 2020 categories will appear in construction projects starting with the January 31, 2020 letting. Categories 20 through 35 (highlighted in green) are the most commonly used products on MnDOT projects.

Temporary Rolled Erosion Prevention Products			
2018 Specification	2020 Specification	Description	Purpose
NA	Category 10	Light-duty 1-sided natural net straw blanket	Light-duty stabilization and germination aid for filtration or infiltration basins
Category 0	Category 15	Light-duty net-free wood fiber blanket	Light-duty stabilization and germination aid for lawns and boulevards
Category 3, (P or N)	Category 20	Medium-duty 2-sided natural net straw blanket	Slopes \leq 3:1 & < 200 ft; Ditches \leq 1.5%
	Category 25	Medium-duty 2-sided natural net wood fiber blanket	Slopes \leq 2:1 & < 150 ft; Ditches \leq 5%
Category 4, (P or N)	Category 30	Med/heavy-duty 2-sided natural net straw coconut blanket	Slopes \leq 1.5:1 & < 100 ft; Ditches \leq 7% Cohesive soils
	Category 35	Med/heavy-duty 2-sided natural net wood fiber blanket	Slopes \leq 1:1 & < 50 ft; Ditches \leq 7% All soil types
NA	Category 45	Heavy-duty 2-sided natural net wood fiber blanket	Slopes \leq 0.75:1 & < 40 ft; Ditches \leq 9% All soil types
NA	Category 37	Medium-duty coconut fiber net	Ditches \leq 3.5%; Temporary or permanent conveyances on silty sand soils; Shoreline stabilization
NA	Category 47	Med/heavy-duty coconut fiber net	Shoreline stabilization in combination with structural and naturalized components
NA	Category 57	Heavy-duty coconut fiber net	Shoreline stabilization in combination with structural and naturalized components

Abbreviations:

NA	Not Applicable	P	Plastic	ECB	Erosion Control Blanket
SP	Special Provision	N	Natural	3D	Three dimension
A	Straw fiber	S	Side (number of nets)		
B	Wood fiber	TRM	Turf Reinforcement Mat		

Permanent Rolled Erosion Prevention Products			
2018 Specification	2020 Specification	Description	Purpose
Category 6	Category 50	Light duty surface applied turf reinforcement mat with synthetic and natural fiber components	Surface-applied shoot reinforcement for slopes and some conveyances
NA	Category 55	Medium duty surface applied turf reinforcement mat with synthetic and natural fiber components	Surface-applied shoot reinforcement for slopes and conveyances with flows to 11 ft/s
TRM Category 1	Category 60	Heavy duty surface applied fully synthetic turf reinforcement mat	Slopes $\leq 0.5:1$; lower ditch shear; 300 lb/ft tensile strength also used as a component of Category 80A
NA	Category 70	Light duty soil-filled synthetic turf reinforcement mat	Slopes $\leq 0.5:1$; lower ditch shear; 150 lb/ft tensile strength
TRM Category 2	Category 72	Medium duty soil-filled synthetic turf reinforcement mat	Slopes $\leq 0.5:1$; Medium ditch shear; 240 lb/ft tensile strength
TRM Category 3	Category 74	Heavy duty soil-filled synthetic turf reinforcement mat	Slopes $\leq 0.5:1$; Med-high ditch shear; 1400 lb/ft tensile strength
TRM Category 4	Category 76	Extra heavy duty soil-filled turf reinforcement mat	High ditch shear, slope shear 3000 lb/ft
Flexible Concrete Geogrid Mat	Category 80A	Concrete units bonded to blanket and turf reinforcement mat	Stormwater flumes, pond corners, stabilized pond overflows, pond maintenance cleanout access pathway, ditch and conveyance bottoms, culvert end scour control, flood flow and overtopping slope protection, with vegetation
NA	Category 80B	Concrete units bonded to geotextile	Same as above, but without vegetation
Concrete Fabric Mat	Category 90 (A, B, or C)	Concrete infused fabric	Temporary or permanent channel and pipe liner, bypass liner, down-drain flume liner, temporary public walk path, shotcrete alternative. A, B, & C are differentiated by thickness.

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A	Straw fiber		
B	Wood fiber		
P	Plastic		
N	Natural		
S	Side (number of nets)		
TRM	Turf Reinforcement Mat		

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