



Western Excelsior Erosion Control Blanket Properties

Temporary Erosion Control Blankets

Straw Matrix Blankets

Property	Measurement Method	Blanket Style	Excel SR-1 Regular		Excel SR-1 Rapid-GO (Rapid Degradable)		Excel SR-1 All Natural (Biodegradable)	
			Single Net Straw Blanket Twelve Month or Less Longevity		Single Net Straw Blanket Twelve Month or Less Longevity		Single Net Straw Blanket Twelve Month or Less Longevity	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Green Net, Tan Matrix		Green Net, Tan Matrix		Tan Net, Tan Matrix	
Top Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Bottom Netting	Typical	Any	none		none		none	
Thread	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Cotton	
Roll Width	Typical	Narrow	7.5 ft	2.3 m	7.5 ft	2.3 m	8 ft	2.4 m
		Wide	15.0 ft	4.6 m	15.0 ft	4.6 m	n/a ft	n/a m
Roll Length	Typical	Narrow	120 ft	36.6 m	120 ft	36.6 m	112.5 ft	34.3 m
		Wide	120 ft	36.6 m	120 ft	36.6 m	n/a ft	n/a m
Target Unit Weight	Typical	Narrow	55 lb/roll	25.0 kg/roll	55 lb/roll	25.0 kg/roll	55 lb/roll	25.0 kg/roll
		Wide	110 lb/roll	49.9 kg/roll	110 lb/roll	49.9 kg/roll	n/a lb/roll	n/a kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD)	Any	0.54 in	13.7 mm	0.50 in	12.7 mm	0.50 in	12.7 mm
	Typical (TD)	Any	0.50 in	12.7 mm	0.50 in	12.7 mm	0.50 in	12.7 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD)	Any	n/a in	n/a mm	n/a in	n/a mm	n/a in	n/a mm
	Typical (TD)	Any	n/a in	n/a mm	n/a in	n/a mm	n/a in	n/a mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical	Narrow	100 yd ²	83.6 m ²	100 yd ²	83.6 m ²	100 yd ²	83.6 m ²
	Typical	Wide	200 yd ²	167.2 m ²	200 yd ²	167.2 m ²	200 yd ²	167.2 m ²
Mass per unit area	D 6475	Any	8.0 oz/yd ²	271 g/m ²	8.0 oz/yd ²	271 g/m ²	8.0 oz/yd ²	271 g/m ²
Thickness	D 6525	Any	295 mils	7.5 mm	295 mils	7.5 mm	295 mils	7.5 mm
Tensile Strength - MD	D 6818	Any	4.8 lb/in	0.8 kN/m	5.3 lb/in	0.9 kN/m	6.3 lb/in	1.1 kN/m
Tensile Elong. - MD	D 6818	Any	15.0 %	15.0 %	15.0 %	15.0 %	5.0 %	5.0 %
Tensile Strength - TD	D 6818	Any	4.8 lb/in	0.8 kN/m	4.7 lb/in	0.8 kN/m	6.3 lb/in	1.1 kN/m
Tensile Elong. - TD	D 6818	Any	20.0 %	20.0 %	20.0 %	20.0 %	5.0 %	5.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	425 %	425 %	425 %	425 %	425 %	425 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %

Property	Measurement Method	Blanket Style	Excel SS-2 Regular		Excel SS-2 Rapid-GO (Rapid Degradable)		Excel SS-2 All Natural (Biodegradable)	
			Double Net Straw Blanket Twelve Month or Less Longevity		Double Net Straw Blanket Twelve Month or Less Longevity		Double Net Straw Blanket Twelve Month or Less Longevity	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Green Net, Tan Matrix		Green Net, Tan Matrix		Tan Net, Tan Matrix	
Top Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Rapid Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Bottom Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Rapid Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Thread	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Cotton	
Roll Width	Typical	Narrow	7.5 ft	2.3 m	7.5 ft	2.3 m	8 ft	2.4 m
		Wide	15.0 ft	4.6 m	15.0 ft	4.6 m	n/a ft	n/a m
Roll Length	Typical	Narrow	120 ft	36.6 m	120 ft	36.6 m	112.5 ft	34.3 m
		Wide	120 ft	36.6 m	120 ft	36.6 m	n/a ft	n/a m
Target Unit Weight	Typical	Narrow	55 lb/roll	25.0 kg/roll	55 lb/roll	25.0 kg/roll	55 lb/roll	25.0 kg/roll
		Wide	110 lb/roll	49.9 kg/roll	110 lb/roll	49.9 kg/roll	n/a lb/roll	n/a kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD)	Any	0.54 in	13.7 mm	0.50 in	12.7 mm	0.50 in	12.7 mm
	Typical (TD)	Any	0.50 in	12.7 mm	0.50 in	12.7 mm	0.50 in	12.7 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD)	Any	0.54 in	13.7 mm	0.50 in	12.7 mm	0.50 in	12.7 mm
	Typical (TD)	Any	0.50 in	12.7 mm	0.50 in	12.7 mm	0.50 in	12.7 mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical	Narrow	100 yd ²	83.6 m ²	100 yd ²	83.6 m ²	100 yd ²	83.6 m ²
	Typical	Wide	200 yd ²	167.2 m ²	200 yd ²	167.2 m ²	200 yd ²	167.2 m ²
Mass per unit area	D 6475	Any	8.0 oz/yd ²	271 g/m ²	8.0 oz/yd ²	271 g/m ²	8.0 oz/yd ²	271 g/m ²
Thickness	D 6525	Any	316 mils	8.0 mm	316 mils	8.0 mm	316 mils	8.0 mm
Tensile Strength - MD	D 6818	Any	9.7 lb/in	1.7 kN/m	10.7 lb/in	1.9 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - MD	D 6818	Any	20.0 %	20.0 %	20.0 %	20.0 %	5.0 %	5.0 %
Tensile Strength - TD	D 6818	Any	9.7 lb/in	1.7 kN/m	9.3 lb/in	1.6 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - TD	D 6818	Any	15.0 %	15.0 %	15.0 %	15.0 %	5.0 %	5.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	425 %	425 %	425 %	425 %	425 %	425 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %

*updated 9/06

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Western Excelsior Erosion Control Blanket Properties

Temporary Erosion Control Blankets

Excelsior Matrix Blankets - Natural Color

Property	Measurement Method	Blanket Style	Excel R-1 Regular		Excel R-1 Rapid-GO (Rapid Degradable)		Excel R-1 All Natural (Biodegradable)	
			Single Net Excelsior Blanket Twelve Month or Less Longevity		Single Net Excelsior Blanket Twelve Month or Less Longevity		Single Net Excelsior Blanket Twelve Month or Less Longevity	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Green Net, Tan Matrix		Green Net, Tan Matrix		Tan Net, Tan Matrix	
Top Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Bottom Netting	Typical	Any	none		none		none	
Thread	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Cotton	
Roll Width	Typical	Narrow Wide	4.0 ft 8.0 ft	1.2 m 2.4 m	4.0 ft 8.0 ft	1.2 m 2.4 m	4.0 ft 8.0 ft	1.2 m 2.4 m
Roll Length	Typical	Narrow Wide	180 ft 90 ft	54.9 m 27.5 m	180 ft 90 ft	54.9 m 27.5 m	180 ft 90 ft	54.9 m 27.5 m
Target Unit Weight	Typical	Narrow Wide	65 lb/roll 65 lb/roll	35.3 kg/roll 35.3 kg/roll	65 lb/roll 65 lb/roll	35.3 kg/roll 35.3 kg/roll	65 lb/roll 65 lb/roll	35.3 kg/roll 35.3 kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 1.00 in	19.1 mm 25.4 mm	0.75 in 1.00 in	19.1 mm 25.4 mm	0.50 in 0.50 in	12.7 mm 12.7 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	n/a in n/a in	n/a mm n/a mm	n/a in n/a in	n/a mm n/a mm	n/a in n/a in	n/a mm n/a mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical	Narrow Wide	80 yd ² 80 yd ²	66.9 m ² 66.9 m ²	80 yd ² 80 yd ²	66.9 m ² 66.9 m ²	80 yd ² 80 yd ²	66.9 m ² 66.9 m ²
Mass per unit area	D 6475	Any	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²
Thickness	D 6525	Any	395 mils	10.0 mm	395 mils	10.0 mm	395 mils	10.0 mm
Tensile Strength - MD	D 6818	Any	5.0 lb/in	0.9 kN/m	5.0 lb/in	0.9 kN/m	6.3 lb/in	1.1 kN/m
Tensile Elong. - MD	D 6818	Any	20.0 %	20.0 %	20.0 %	20.0 %	5.0 %	5.0 %
Tensile Strength - TD	D 6818	Any	4.0 lb/in	0.7 kN/m	4.0 lb/in	0.7 kN/m	6.3 lb/in	1.1 kN/m
Tensile Elong. - TD	D 6818	Any	25.0 %	25.0 %	25.0 %	25.0 %	5.0 %	5.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	375 %	375 %	375 %	375 %	375 %	375 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %

Property	Measurement Method	Blanket Style	Excel S-2 Regular		Excel S-2 Rapid-GO (Rapid Degradable)		Excel S-2 All Natural (Biodegradable)	
			Double Net Excelsior Blanket Twelve Month or Less Longevity		Double Net Excelsior Blanket Twelve Month or Less Longevity		Double Net Excelsior Blanket Twelve Month or Less Longevity	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Green Net, Tan Matrix		Green Net, Tan Matrix		Tan Net, Tan Matrix	
Top Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Rapid Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Bottom Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Rapid Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Thread	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Cotton	
Roll Width	Typical	Narrow Wide	4.0 ft 8.0 ft	1.2 m 2.4 m	4.0 ft 8.0 ft	1.2 m 2.4 m	4.0 ft 8.0 ft	1.2 m 2.4 m
Roll Length	Typical	Narrow Wide	180 ft 90 ft	54.9 m 27.5 m	180 ft 90 ft	54.9 m 27.5 m	180 ft 90 ft	54.9 m 27.5 m
Target Unit Weight	Typical	Narrow Wide	65 lb/roll 65 lb/roll	29.5 kg/roll 29.5 kg/roll	65 lb/roll 65 lb/roll	29.5 kg/roll 29.5 kg/roll	65 lb/roll 65 lb/roll	29.5 kg/roll 29.5 kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 1.00 in	19.1 mm 25.4 mm	0.75 in 1.00 in	19.1 mm 25.4 mm	0.50 in 0.50 in	12.7 mm 12.7 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 1.00 in	19.1 mm 25.4 mm	0.75 in 1.00 in	19.1 mm 25.4 mm	0.50 in 0.50 in	12.7 mm 12.7 mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical	Narrow Wide	80 yd ² 80 yd ²	66.9 m ² 66.9 m ²	80 yd ² 80 yd ²	66.9 m ² 66.9 m ²	80 yd ² 80 yd ²	66.9 m ² 66.9 m ²
Mass per unit area	D 6475	Any	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²
Thickness	D 6525	Any	395 mils	10.0 mm	395 mils	10.0 mm	395 mils	10.0 mm
Tensile Strength - MD	D 6818	Any	10.0 lb/in	1.8 kN/m	10.0 lb/in	1.8 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - MD	D 6818	Any	25.0 %	25.0 %	25.0 %	25.0 %	5.0 %	5.0 %
Tensile Strength - TD	D 6818	Any	7.5 lb/in	1.3 kN/m	7.5 lb/in	1.3 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - TD	D 6818	Any	30.0 %	30.0 %	30.0 %	30.0 %	5.0 %	5.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	375 %	375 %	375 %	375 %	375 %	375 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %

*updated 9/06

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Western Excelsior Erosion Control Blanket Properties

Temporary Erosion Control Blankets

Excelsior Matrix Blankets - Green Color

Property	Measurement Method	Blanket Style	Excel R-1 Regular		Excel R-1 Rapid-GO (Rapid Degradable)		Excel R-1 All Natural (Biodegradable)	
			Single Net Excelsior Blanket Twelve Month or Less Longevity		Single Net Excelsior Blanket Twelve Month or Less Longevity		Single Net Excelsior Blanket Twelve Month or Less Longevity	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Green Net, Green Matrix		Green Net, Green Matrix		Tan Net, Green Matrix	
Top Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Bottom Netting	Typical	Any	none		none		none	
Thread	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Cotton	
Roll Width	Typical	Narrow	4.0 ft	1.2 m	4.0 ft	1.2 m	4.0 ft	1.2 m
		Wide	8.0 ft	2.4 m	8.0 ft	2.4 m	8.0 ft	2.4 m
Roll Length	Typical	Narrow	180 ft	54.9 m	180 ft	54.9 m	180 ft	54.9 m
		Wide	90 ft	27.5 m	90 ft	27.5 m	90 ft	27.5 m
Target Unit Weight	Typical	Narrow	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll
		Wide	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD)	Any	0.75 in	19.1 mm	0.75 in	19.1 mm	0.50 in	12.7 mm
	Typical (TD)	Any	1.00 in	25.4 mm	1.00 in	25.4 mm	0.50 in	12.7 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD)	Any	n/a in	n/a mm	n/a in	n/a mm	n/a in	n/a mm
	Typical (TD)	Any	n/a in	n/a mm	n/a in	n/a mm	n/a in	n/a mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical	Narrow	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²
	Typical	Wide	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²
Mass per unit area	D 6475	Any	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²
Thickness	D 6525	Any	395 mils	10.0 mm	395 mils	10.0 mm	395 mils	10.0 mm
Tensile Strength - MD	D 6818	Any	5.0 lb/in	0.9 kN/m	5.0 lb/in	0.9 kN/m	6.3 lb/in	1.1 kN/m
Tensile Elong. - MD	D 6818	Any	20.0 %	20.0 %	20.0 %	20.0 %	5.0 %	5.0 %
Tensile Strength - TD	D 6818	Any	4.0 lb/in	0.7 kN/m	4.0 lb/in	0.7 kN/m	6.3 lb/in	1.1 kN/m
Tensile Elong. - TD	D 6818	Any	25.0 %	25.0 %	25.0 %	25.0 %	5.0 %	5.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	375 %	375 %	375 %	375 %	375 %	375 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %

Property	Measurement Method	Blanket Style	Excel S-2 Regular		Excel S-2 Rapid-GO (Rapid Degradable)		Excel S-2 All Natural (Biodegradable)	
			Double Net Excelsior Blanket Twelve Month or Less Longevity		Double Net Excelsior Blanket Twelve Month or Less Longevity		Double Net Excelsior Blanket Twelve Month or Less Longevity	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Green Net, Green Matrix		Green Net, Green Matrix		Tan Net, Green Matrix	
Top Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Rapid Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Bottom Netting	Typical	Any	Synthetic, Photodegradable		Synthetic, Rapid Photodegradable		Biodegradable Jute/Scrim Leno Weave	
Thread	Typical	Any	Synthetic, Photodegradable		Synthetic, Photodegradable		Biodegradable Cotton	
Roll Width	Typical	Narrow	4.0 ft	1.2 m	4.0 ft	1.2 m	4.0 ft	1.2 m
		Wide	8.0 ft	2.4 m	8.0 ft	2.4 m	8.0 ft	2.4 m
Roll Length	Typical	Narrow	180 ft	54.9 m	180 ft	54.9 m	180 ft	54.9 m
		Wide	90 ft	27.5 m	90 ft	27.5 m	90 ft	27.5 m
Target Unit Weight	Typical	Narrow	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll
		Wide	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll	65 lb/roll	29.5 kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD)	Any	0.75 in	19.1 mm	0.75 in	19.1 mm	0.50 in	12.7 mm
	Typical (TD)	Any	1.00 in	25.4 mm	1.00 in	25.4 mm	0.50 in	12.7 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD)	Any	0.75 in	19.1 mm	0.75 in	19.1 mm	0.50 in	12.7 mm
	Typical (TD)	Any	1.00 in	25.4 mm	1.00 in	25.4 mm	0.50 in	12.7 mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical	Narrow	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²
	Typical	Wide	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²	80 yd ²	66.9 m ²
Mass per unit area	D 6475	Any	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²	11.5 oz/yd ²	390 g/m ²
Thickness	D 6525	Any	395 mils	10.0 mm	395 mils	10.0 mm	395 mils	10.0 mm
Tensile Strength - MD	D 6818	Any	10.0 lb/in	1.8 kN/m	10.0 lb/in	1.8 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - MD	D 6818	Any	25.0 %	25.0 %	25.0 %	25.0 %	5.0 %	5.0 %
Tensile Strength - TD	D 6818	Any	7.5 lb/in	1.3 kN/m	7.5 lb/in	1.3 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - TD	D 6818	Any	30.0 %	30.0 %	30.0 %	30.0 %	5.0 %	5.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	375 %	375 %	375 %	375 %	375 %	375 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %

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Western Excelsior Erosion Control Blanket Properties

Extended Term Erosion Control Blankets

Coconut, Coconut/Straw, Heavy Duty Excelsior

Property	Measurement Method	Blanket Style	Excel CS-3 Regular		Excel CS-3 All Natural (Biodegradable)		Excel SD-3	
			Double Net Coconut/Straw Blend Twenty-Four Month or Less Longevity		Double Net Coconut/Straw Blend Twenty-Four Month or Less Longevity		Heavy Duty Double Net Excelsior Eighteen to Twenty Four Month	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Black/Green Net Tan Matrix		Tan Net, Tan Matrix		Black Net, Tan Matrix	
Top Netting	Typical	Any	Black/UV Stabilized Synthetic		Biodegradable Jute/Scrim Leno Weave		Black/UV Stabilized Synthetic	
Bottom Netting	Typical	Any	Green Synthetic Photodegradable		Biodegradable Jute/Scrim Leno Weave		Black/UV Stabilized Synthetic	
Thread	Typical	Any	Synthetic, UV Stabilized		Biodegradable Cotton		Synthetic, UV Stabilized	
Roll Width	Typical	Narrow Wide	7.5 ft 15.0 ft	2.3 m 4.6 m	8.0 ft n/a ft	2.4 m n/a m	4.0 ft 8.0 ft	1.2 m 2.4 m
Roll Length	Typical	Narrow Wide	120 ft 120 ft	36.6 m 36.6 m	112.5 ft n/a ft	34.3 m n/a m	100 ft 50 ft	30.5 m 15.3 m
Target Unit Weight	Typical	Narrow Wide	62 lb/roll 124 lb/roll	28.1 kg/roll 56.3 kg/roll	62 lb/roll n/a lb/roll	28.1 kg/roll n/a kg/roll	59 lb/roll 59 lb/roll	26.8 kg/roll 26.8 kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 0.75 in	19.1 mm 19.1 mm	0.5 in 0.5 in	12.7 mm 12.7 mm	0.75 in 0.75 in	19.1 mm 19.1 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.54 in 0.50 in	13.7 mm 12.7 mm	0.5 in 0.5 in	12.7 mm 12.7 mm	0.75 in 0.75 in	19.1 mm 19.1 mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical Typical	Narrow Wide	100 yd ² n/a yd ²	83.6 m ² n/a m ²	100 yd ² n/a yd ²	83.6 m ² n/a m ²	44 yd ² 44 yd ²	36.8 m ² 36.8 m ²
Mass per unit area	D 6475	Any	9.5 oz/yd ²	322 g/m ²	9.5 oz/yd ²	322 g/m ²	18.0 oz/yd ²	610 g/m ²
Thickness	D 6525	Any	335 mils	8.5 mm	335 mils	8.5 mm	550 mils	14.0 mm
Tensile Strength - MD	D 6818	Any	14.2 lb/in	2.5 kN/m	12.5 lb/in	2.2 kN/m	18.7 lb/in	3.3 kN/m
Tensile Elong. - MD	D 6818	Any	25.0 %	25.0 %	5.0 %	5.0 %	30.0 %	30.0 %
Tensile Strength - TD	D 6818	Any	11.2 lb/in	2.0 kN/m	12.5 lb/in	2.2 kN/m	12.7 lb/in	2.2 kN/m
Tensile Elong. - TD	D 6818	Any	25.0 %	25.0 %	5.0 %	5.0 %	25.0 %	25.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	10.0 %	10.0 %	10.0 %	10.0 %	25.0 %	25.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	325 %	325 %	325 %	325 %	300 %	300 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %

Property	Measurement Method	Blanket Style	Excel CC-4 Regular		Excel CC-4 All Natural (Biodegradable)	
			Double Net Coconut Blanket Up to Thirty-Six Month Longevity		Double Net Coconut Blanket Up to Thirty-Six Month Longevity	
			English Units	SI Units	English Units	SI Units
Color	Typical	Any	Black Net, Tan Matrix		Tan Net, Tan Matrix	
Top Netting	Typical	Any	Black/UV Stabilized Synthetic		Biodegradable Jute/Scrim Leno Weave	
Bottom Netting	Typical	Any	Black/UV Stabilized Synthetic		Biodegradable Jute/Scrim Leno Weave	
Thread	Typical	Any	Synthetic, UV Stabilized		Biodegradable Cotton	
Roll Width	Typical	Narrow Wide	7.5 ft 15.0 ft	2.3 m 4.6 m	8.0 ft n/a ft	2.4 m n/a m
Roll Length	Typical	Narrow Wide	120 ft 120 ft	36.6 m 36.6 m	112.5 ft n/a ft	34.3 m n/a m
Target Unit Weight	Typical	Narrow Wide	55 lb/roll 110 lb/roll	25.0 kg/roll 49.9 kg/roll	55 lb/roll n/a lb/roll	25.0 kg/roll n/a kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 0.75 in	19.1 mm 19.1 mm	0.50 in 0.50 in	12.7 mm 12.7 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 0.75 in	19.1 mm 19.1 mm	0.50 in 0.50 in	12.7 mm 12.7 mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical Typical	Narrow Wide	100 yd ² 200 yd ²	83.6 m ² 167.2 m ²	100 yd ² n/a yd ²	83.6 m ² n/a m ²
Mass per unit area	D 6475	Any	8.5 oz/yd ²	288 g/m ²	8.5 oz/yd ²	288 g/m ²
Thickness	D 6525	Any	257 mils	6.5 mm	257 mils	6.5 mm
Tensile Strength - MD	D 6818	Any	18.7 lb/in	3.3 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - MD	D 6818	Any	30.0 %	30.0 %	5.0 %	5.0 %
Tensile Strength - TD	D 6818	Any	12.7 lb/in	2.2 kN/m	12.5 lb/in	2.2 kN/m
Tensile Elong. - TD	D 6818	Any	25.0 %	25.0 %	5.0 %	5.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	15.0 %	15.0 %	15 %	15.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	250 %	250 %	250 %	250 %
Resiliency	D 6524	Any	n/a %	n/a %	n/a %	n/a %
Flexural Stiffness	D 1388	Any	n/a mg-cm	n/a mg-cm	n/a mg-cm	n/a mg-cm
UV Resistance, 500 hrs	D 4355	Any	n/a %	n/a %	n/a %	n/a %

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Western Excelsior Erosion Control Blanket Properties Permanent Turf Reinforcement Mats

Fully Synthetic, UV Stable, Permanent Products

Property	Measurement Method	Blanket Style	Excel PP5-8		Excel PP5-10		Excel PP5-12	
			Fully Synthetic, Heavy Duty TRM Greater than Thirty-Six Months		Fully Synthetic, Heavy Duty TRM Greater than Thirty-Six Months		Fully Synthetic, Heavy Duty TRM Greater than Thirty-Six Months	
			English Units	SI Units	English Units	SI Units	English Units	SI Units
Color	Typical	Any	Black Net, Green Matrix		Black Net, Green Matrix		Black Net, Green Matrix	
Top Netting	Typical	Any	Black, Heavy Duty/UV Stable		Black, Heavy Duty/UV Stable		Black, Heavy Duty/UV Stable	
Bottom Netting	Typical	Any	Black, Heavy Duty/UV Stable		Black, Heavy Duty/UV Stable		Black, Heavy Duty/UV Stable	
Thread	Typical	Any	Synthetic, UV Stable		Synthetic, UV Stable		Synthetic, UV Stable	
Roll Width	Typical	Narrow Wide	7.5 ft 15.0 ft	2.3 m 4.6 m	7.5 ft 15.0 ft	2.3 m 4.6 m	7.5 ft 15.0 ft	2.3 m 4.6 m
Roll Length	Typical	Narrow Wide	120 ft 120 ft	36.6 m 36.6 m	120 ft 120 ft	36.6 m 36.6 m	120 ft 120 ft	36.6 m 36.6 m
Target Unit Weight	Typical	Narrow Wide	50 lb/roll 100 lb/roll	22.7 kg/roll 45.4 kg/roll	63 lb/roll 126 lb/roll	28.6 kg/roll 57.2 kg/roll	75 lb/roll 150 lb/roll	34.1 kg/roll 68.1 kg/roll
Top Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 0.75 in	19.1 mm 19.1 mm	0.75 in 0.75 in	19.1 mm 19.1 mm	0.75 in 0.75 in	19.1 mm 19.1 mm
Bottom Netting Opening Dimensions (nominal)	Typical (MD) Typical (TD)	Any Any	0.75 in 0.75 in	19.1 mm 19.1 mm	0.75 in 0.75 in	19.1 mm 19.1 mm	0.75 in 0.75 in	19.1 mm 19.1 mm
Stitch Spacing	Typical	Any	2.0 in	50.8 mm	2.0 in	50.8 mm	2.0 in	50.8 mm
Coverage per Roll	Typical Typical	Narrow Wide	100 yd ² n/a yd ²	83.6 m ² n/a m ²	100 yd ² n/a yd ²	83.6 m ² n/a m ²	100 yd ² n/a yd ²	83.6 m ² n/a m ²
Mass per unit area	D 6475	Any	8.0 oz/yd ²	271 g/m ²	10.0 oz/yd ²	339 g/m ²	12.0 oz/yd ²	407 g/m ²
Thickness	D 6525	Any	340 mils	8.6 mm	362 mils	9.2 mm	377 mils	9.6 mm
Tensile Strength - MD	D 6818	Any	20.8 lb/in	3.6 kN/m	20.8 lb/in	3.6 kN/m	20.8 lb/in	3.6 kN/m
Tensile Elong. - MD	D 6818	Any	30.0 %	30.0 %	30.0 %	30.0 %	30.0 %	30.0 %
Tensile Strength - TD	D 6818	Any	17.7 lb/in	3.1 kN/m	17.7 lb/in	3.1 kN/m	17.7 lb/in	3.1 kN/m
Tensile Elong. - TD	D 6818	Any	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %
Density / Sp. Gravity	D 729	Any	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Light Penetration	D 6567	Any	35.0 %	35.0 %	25.0 %	25.0 %	20.0 %	20.0 %
Swell	ECTC	Any	n/a %	n/a %	n/a %	n/a %	n/a %	n/a %
Absorption	ECTC	Any	0 %	0 %	0 %	0 %	0 %	0 %
Resiliency	D 6524	Any	89.0 %	n/a %	87.0 %	n/a %	88.0 %	n/a %
Porosity	Computed	Any	97.0 %	97.0 %	96.0 %	96.0 %	96.0 %	96.0 %
UV Resistance, 500 hrs	D 4355	Any	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %

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