

# Thrace-LINQ is now offering Western Excelsior's Erosion Control Products.



Thrace-LINQ is now offering a line of premium-quality, erosion control products by Western Excelsior. These products are stocked by Thrace-LINQ in South Carolina and can be conveniently shipped with other Thrace-LINQ Products.

Western Excelsior Erosion Control Blankets and Turf Reinforcement Mats are engineered to deliver reliable performance and manufactured to ensure environmental stewardship and great value. Quality and developmental and technical expertise from Western Excelsior. Superior service and Geosynthetics know-how from Thrace-LINQ.

## Temporary Products

- Excel R-1 Single Net Excelsior Blanket
- Excel S-2 Double Net Excelsior Blanket
- Excel SR-1 Single Net Straw Blanket
- Excel SS-2 Double Net Straw Blanket

## Extended Term Products

- Excel CS-3 Double Net Coconut Straw Blanket
- Excel CC-4 Double Net Coconut Blanket
- Excel SD-3 Heavy Duty Double Net Excelsior Blanket

## Permanent Products

- Excel PP5-8 8 oz Turf Reinforcement Mat
- Excel PP5-10 10 oz Turf Reinforcement Mat
- Excel PP5-12 12 oz Turf Reinforcement Mat



Temporary Products



Extended Term Products



Permanent Products

## EXCEL R-1™

**Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	5.0 (MD), 4.0 (TD)	lb/in
Elongation	ASTM D6818	20 (MD), 25 (TD)	%
Mass per Unit Area	ASTM D6566	11.5	oz/yd <sup>2</sup>
Thickness	ASTM D1777	10.0	mm
Light Penetration	ECTC TASC 00197	50	% open
Water Absorption	ASTM D1117	375	%

**Table 2 - Netting**

Top Net	Synthetic Photo-degradable
Bottom Net	N/A
Top Net Opening	1.00 in x 0.75 in (Nominal)
Bottom Net Opening	N/A

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	4 ft	8 ft
Roll Length	180 ft	90 ft
Coverage	80 yd <sup>2</sup>	80 yd <sup>2</sup>
Roll Weight	65 lbs	65 lbs

## EXCEL S-2™

**Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	10 (MD), 7.5 (TD)	lb/in
Elongation	ASTM D6818	20 (MD), 30 (TD)	%
Mass per Unit Area	ASTM D6566	11.5	oz/yd <sup>2</sup>
Thickness	ASTM D1777	10.0	mm
Light Penetration	ECTC TASC 00197	50	% open
Water Absorption	ASTM D1117	375	%

**Table 2 - Netting**

Top Net	Synthetic Photo-degradable
Bottom Net	Synthetic Photo-degradable
Top Net Opening	1.00 in x 0.75 in (Nominal)
Bottom Net Opening	1.00 in x 0.75 in (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	4 ft	8 ft
Roll Length	180 ft	90 ft
Coverage	80 yd <sup>2</sup>	80 yd <sup>2</sup>
Roll Weight	65 lbs	65 lbs

## EXCEL SR-1™

**Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	4.8 (MD), 4.8 (TD)	lb/in
Elongation	ASTM D6818	15 (MD), 20 (TD)	%
Mass per Unit Area	ASTM D6566	8.0	oz/yd <sup>2</sup>
Thickness	ASTM D1777	7.5	mm
Light Penetration	ECTC TASC 00197	15	% open
Water Absorption	ASTM D1117	425	%

**Table 2 - Netting**

Top Net	Synthetic Photo-degradable
Bottom Net	N/A
Top Net Opening	0.50 in x 0.54 in (Nominal)
Bottom Net Opening	N/A

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd <sup>2</sup>	200 yd <sup>2</sup>
Roll Weight	55 lbs	110 lbs

## EXCEL SS-2™

**Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	9.7 (MD), 9.7 (TD)	lb/in
Elongation	ASTM D6818	20 (MD), 15 (TD)	%
Mass per Unit Area	ASTM D6566	8.0	oz/yd <sup>2</sup>
Thickness	ASTM D1777	8.0	mm
Light Penetration	ECTC TASC 00197	15	% open
Water Absorption	ASTM D1117	425	%

**Table 2 - Netting**

Top Net	Synthetic Photo-degradable
Bottom Net	Synthetic Photo-degradable
Top Net Opening	0.50 in x 0.54 in (Nominal)
Bottom Net Opening	0.50 in x 0.54 in (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd <sup>2</sup>	200 yd <sup>2</sup>
Roll Weight	55 lbs	110 lbs

## EXCEL CS-3™

**Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	14.2 (MD), 11.2 (TD)	lb/in
Elongation	ASTM D6818	25 (MD), 25 (TD)	%
Mass per Unit Area	ASTM D6566	9.5	oz/yd <sup>2</sup>
Thickness	ASTM D1 777	8.5	mm
Light Penetration	ECTC TASC 00197	10	% open
Water Absorption	ASTM D1117	325	%

**Table 2 - Netting**

Top Net	Synthetic UV Stabilized Photo-degradable
Bottom Net	Synthetic Photo-degradable
Top Net Opening	0.75" x 0.75" (Nominal)
Bottom Net Opening	0.50" x 0.54" (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd <sup>2</sup>	200 yd <sup>2</sup>
Roll Weight	62 lbs	124 lbs

## EXCEL CC-4™

**Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	18.7 (MD), 12.7 (TD)	lb/in
Elongation	ASTM D6818	30 (MD), 25 (TD)	%
Mass per Unit Area	ASTM D6566	8.5	oz/yd <sup>2</sup>
Thickness	ASTM D1777	6.5	mm
Light Penetration	ECTC TASC 00197	15	% open
Water Absorption	ASTM D1117	250	%

**Table 2 - Netting**

Top Net	Synthetic UV Stabilized Photo-degradable
Bottom Net	Synthetic UV Stabilized Photo-degradable
Top Net Opening	0.75 in x 0.75 in (Nominal)
Bottom Net Opening	0.75 in x 0.75 in (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd <sup>2</sup>	200 yd <sup>2</sup>
Roll Weight	55 lbs	110 lbs

**EXCEL SD-3™****Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	18.7 (MD), 12.7 (TD)	lb/in
Elongation	ASTM D6818	30 (MD), 25 (TD)	%
Mass per Unit Area	ASTM D6566	18.0	oz/yd <sup>2</sup>
Thickness	ASTM D1777	14.0	mm
Light Penetration	ECTC TASC 00197	25	% open
Water Absorption	ASTM D1117	300	%

**Table 2 - Netting**

Top Net	Synthetic UV Stabilized Photo-degradable
Bottom Net	Synthetic UV Stabilized Photo-degradable
Top Net Opening	0.75 in x 0.75 in (Nominal)
Bottom Net Opening	0.75 in x 0.75 in (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	4 ft	8 ft
Roll Length	100 ft	50 ft
Coverage	44 yd <sup>2</sup>	44 yd <sup>2</sup>
Roll Weight	55 lbs	55 lbs

**EXCEL PP5-8™****Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	20.8 (MD), 17.7 (TD)	lb/in
Elongation	ASTM D6818	30 (MD), 20 (TD)	%
Mass per Unit Area	ASTM D6566	8.0	oz/yd <sup>2</sup>
Thickness	ASTM D1777	8.6	mm
Light Penetration	ECTC TASC 00197	35	% open
Resiliency	ASTM D6524	89	%
Stability	ASTM 4355	100	%
Porosity	Computed	97	%

**Table 2 - Netting**

Top Net	Synthetic, UV Stable
Bottom Net	Synthetic, UV Stable
Top Net Opening	0.75 in x 0.75 in (Nominal)
Bottom Net Opening	0.75 in x 0.75 in (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd <sup>2</sup>	200 yd <sup>2</sup>
Roll Weight	50 lbs	100 lbs

**EXCEL PP5-10™****Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	20.8 (MD), 17.7 (TD)	lb/in
Elongation	ASTM D6818	30 (MD), 20 (TD)	%
Mass per Unit Area	ASTM D6566	10.0	oz/yd <sup>2</sup>
Thickness	ASTM D1777	9.2	mm
Light Penetration	ECTC TASC 00197	25	% open
Resiliency	ASTM D6524	87	%
Stability	ASTM 4355	100	%
Porosity	Computed	96	%

**Table 2 - Netting**

Top Net	Synthetic, UV Stable
Bottom Net	Synthetic, UV Stable
Top Net Opening	0.75 in x 0.75 in (Nominal)
Bottom Net Opening	0.75 in x 0.75 in (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd <sup>2</sup>	200 yd <sup>2</sup>
Roll Weight	63 lbs	126 lbs

**EXCEL PP5-12™****Table 1 - Verified Values**

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	20.8 (MD), 17.7 (TD)	lb/in
Elongation	ASTM D6818	30 (MD), 20 (TD)	%
Mass per Unit Area	ASTM D6566	12.0	oz/yd <sup>2</sup>
Thickness	ASTM D1777	9.6	mm
Light Penetration	ECTC TASC 00197	20	% open
Resiliency	ASTM D6524	88	%
UV Stability	ASTM 4355	100	%
Porosity	Computed	96	%

**Table 2 - Netting**

Top Net	Synthetic, UV Stable
Bottom Net	Synthetic, UV Stable
Top Net Opening	0.75 in x 0.75 in (Nominal)
Bottom Net Opening	0.75 in x 0.75 in (Nominal)

**Table 3 - Roll Dimensions**

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd <sup>2</sup>	200 yd <sup>2</sup>
Roll Weight	75 lbs	150 lbs

**Aspen Excelsior Logs****Table 1**

Log Property	Value			
Length	10 ft			
Diameter	9 in	12 in	18 in	20 in
Weight*	25 lbs (9 in)	30 lbs (12 in)	43 lbs (18 in)	50 lbs (20 in)
Density*	5.8 lbs/ft <sup>3</sup> (9 in)	4.0 lbs/ft <sup>3</sup> (12 in)	3.5 lbs/ft <sup>3</sup> (18 in)	2.4 lbs/ft <sup>3</sup> (20 in)

\*Based on Measurements at time of Manufacture

**Table 2**

Characteristic	Dimension
Fiber Composition	High Altitude Machine Curled Aspen Excelsior
Fiber Dimensions	80% Greater than 6 in.
Netting	0.50 in x 0.50 in Heavy Duty Synthetic
Configuration	Cylindrical with Closed Ends
End Closure	Hog Ring or Tied

**EXCEL Straw Logs****Table 1**

























Log Property	Value		
Length	10 ft		
Diameter	9 in	12 in	20 in
Weight*	14 lbs (9 in)	25 lbs (12 in)	35 lbs (20 in)
Density*	3.2 lbs/ft <sup>3</sup> (9 in)	3.3 lbs/ft <sup>3</sup> (12 in)	1.7 lbs/ft <sup>3</sup> (20 in)

\*Based on Measurements at time of Manufacture











**Table 2**

Characteristic	Dimension
Fiber Composition	Certified Weed Free Straw
Netting	0.50 in x 0.50 in Heavy Duty Synthetic
Configuration	Cylindrical with Closed Ends
End Closure	Hog Ring or Tied







## Temporary Erosion Control Blankets

<ul style="list-style-type: none"> <li> EXCEL R-1</li> <li> EXCEL R-1 RAPID GO</li> <li> EXCEL R-1 ALL NATURAL</li> <li> EXCEL S-2</li> <li> EXCEL S-2 RAPID GO</li> <li> EXCEL S-2 ALL NATURAL</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> </ul>	<p>Western Excelsior's excelsior matrix temporary ECBs are constructed of exceptionally durable and strong wood fibers. Utilizing 100% Rocky Mountain Aspen and a thicker cut fiber, the Excel R-1 and Excel S-2 products out perform other excelsior blankets. The matrix of the Excel R-1 and Excel S-2 is open and lofty and provides the best growing medium of any RECP. Available in rapid degradable (Rapid Go) and 100% biodegradable (All Natural), Excel R-1 and Excel S-2 provide variable degradation to meet any project requirement.</p>
<ul style="list-style-type: none"> <li> EXCEL SR-1</li> <li> EXCEL SR-1 RAPID GO</li> <li> EXCEL SR-1 ALL NATURAL</li> <li> EXCEL SS-2</li> <li> EXCEL SS-2 RAPID GO</li> <li> EXCEL SS-2 ALL NATURAL</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> </ul>	<p>Excel SR-1 and Excel SS-2 are comprised of 100% certified weed free straw, and provide reliable and economical erosion control. Straw fibers utilized for Excel straw blankets are long, dry and stiff, which yield the highest quality final product. Each Excel SR-1 and SS-2 ECB is manufactured to provide the shortest RECP longevity and is ideal for rainfall/rainsplash protection of slopes and as a channel liner in low risk/low gradient scenarios. Excel straw blankets are available in regular degradability, rapid degradable and 100% biodegradable.</p>





## Extended Term Erosion Control Blankets

<ul style="list-style-type: none"> <li> EXCEL CS-3</li> <li> EXCEL CS-3 ALL NATURAL</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> </ul>	<p>Excel CS-3 and Excel CS-3 All Natural provide extended longevity, yielding protection for up to 24 months. Extended term blankets are ideal for arid environments or situations where vegetation establishes slowly.</p>
<ul style="list-style-type: none"> <li> EXCEL CC-4</li> <li> EXCEL CC-4 ALL NATURAL</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> </ul>	<p>Excel CC-4 and Excel CC-4 All Natural coconut matrix RECPs provide longevity of up to 36 months and are ideal for steep slopes or use as a channel liner. All component materials utilized for Excel CC-4 are stabilized to ensure the greatest possible longevity of any degradable product.</p>
<ul style="list-style-type: none"> <li> EXCEL SD-3</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<p>Excel SD-3 is a heavy duty, UV stabilized excelsior matrix providing the highest level of protection in channelized scenario of any degradable product.</p>





## Permanent Turf Reinforcement Mats

<ul style="list-style-type: none"> <li> EXCEL PP5-8</li> <li> EXCEL PP5-10</li> <li> EXCEL PP5-12</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> <li></li> </ul>	<p>Western Excelsior manufactures a series of permanent Turf Reinforcement Mats (TRMs) to provide permanent turf reinforcement and immediate erosion control. The PP5 series consists of eight, ten and twelve ounce per square yard (PP5-8, PP5-10 and PP5-12 respectively) varieties. Designed to provide increasing levels of unvegetated performance, the PP5 series is constructed of ultraviolet (UV) stabilized fibers stitch bound between heavy duty UV stabilized netting. The PP5 series provides outstanding value in turf reinforcement.</p>
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## Sediment Control Logs

<ul style="list-style-type: none"> <li> ASPEN EXCELSIOR LOGS</li> <li> EXCEL STRAW LOGS</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> </ul>	<p>Excel Straw Logs provide high filtration and low flow through to act as slope interruption and flow barriers. Aspen Excelsior Logs provide greater flow through and longevity.</p>
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## Hydro-Mulch

<ul style="list-style-type: none"> <li> 100% ASPEN MULCH</li> <li> ASPEN TURBO MULCH</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> </ul>	<p>100% Aspen Mulch and Aspen Turbo Mulch offer wood and wood/paper blend mulches for seed establishment.</p>
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