

PROPERTY	TEST METHOD	UNIT	VALUE	407GR	S1 <sup>2</sup>	S2 <sup>2,3</sup>	CS2 <sup>3</sup>	C2 <sup>3</sup>
<b>MECHANICAL</b>								
Tensile Strength	ASTM D-6818	lb/ft kN/m	Typical	450 x 250 6.7 x 3.7	50 x 65 0.73 x 0.95	75 x 75 1.1 x 1.1	100 x 100 1.5 x 1.5	150 x 150 2.2 x 2.2
Tensile Elongation	ASTM D-6818	%	Typical	40	20	25	30	25
<b>ENDURANCE</b>								
Functional Longevity	Observed	months	Typical	up to 12	up to 12	up to 12	up to 24	up to 36
<b>PHYSICAL</b>								
Mass Per Unit Area	ASTM D-6475	oz/yd <sup>2</sup> g/m <sup>2</sup>	Typical	1.75 59	8.5 288	8.7 298	8.8 298	8.8 298
Thickness	ASTM D-6525	in mm	Typical	N/A	0.11 2.8	0.25 6.35	0.40 10.16	0.30 7.62
<b>STANDARD PACKAGING</b>								
Roll Size	Measured	ft m	Typical	12.5 x 432 3.81 x 131.7	7.5 x 120 2.3 x 36.5	7.5 x 120 2.3 x 36.5	7.5 x 120 2.3 x 36.5	7.5 x 120 2.3 x 36.5
Roll Weight	Calculated	lb kg	Typical	70 32	53 24	55 25	55 25	55 25

### NOTES

1. The property values listed are effective 2/01/2004 and are subject to change without notice.
2. Product also available with a rapid degrading (RD) netting option. Contact SI Geosolutions for more information.
3. Product also available with a biodegradable Eco-Net® (EN) netting option. Contact SI Geosolutions for more information.

## GENERAL

LANDLOK® S1 Erosion Control Blankets consist of 100% wheat straw mechanically bound and covered on one side by netting. The straw is homogeneously blended and evenly distributed throughout the blanket. The netting is photodegradable polypropylene with mesh openings of approximately 3/8 in. by 3/8 in. (11 mm by 11 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with photodegradable polypropylene thread.

### TYPICAL<sup>1</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D5261	8.5 oz/yd <sup>2</sup>	288.15 g/m <sup>2</sup>
Thickness	ASTM D1777 <sup>2</sup>	0.11 in	2.794 mm
<b>Mechanical</b>			
Grab Tensile Strength	ASTM D5035	50 x 65 lb/ft	0.7 x 0.9 kN/m
Grab Elongation	ASTM D5035	20%	20%
<b>Endurance</b>			
Functional Longevity	Observed	Up to 10 months	Up to 10 months
<b>Roll Sizes and Weights</b>			
Roll Size		7.5 ft x 120 ft	2.3 m x 36.5 m
Roll Weight		Approx. 53 lbs	24 kg

## NOTES

1 The property values listed above are effective 10/24/00 and are subject to change without notice. A typical value is the average value obtained when testing the product.

2 Modified ASTM D1777 using 6" Pressure Plate and 0.2 kPa.

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT FURNISHED HEREUNDER OTHER THAN AT THE TIME OF DELIVERY IT SHALL BE OF THE QUALITY AND SPECIFICATION STATED HEREIN. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED, AND, TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE, ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. ANY RECOMMENDATIONS MADE BY SELLER CONCERNING THE USES OR APPLICATIONS OF SAID PRODUCT ARE BELIEVED RELIABLE AND SELLER MAKES NO WARRANTY OF RESULTS TO BE OBTAINED. IF THE PRODUCT DOES NOT MEET SI GEOSOLUTIONS' CURRENT PUBLISHED SPECIFICATIONS, AND THE CUSTOMER GIVES NOTICE TO SI GEOSOLUTIONS BEFORE INSTALLING THE PRODUCT, THEN SI GEOSOLUTIONS WILL REPLACE THE PRODUCT WITHOUT CHARGE OR REFUND THE PURCHASE PRICE.

## GENERAL

LANDLOK® S2 Erosion Control Blankets consist of 100% wheat straw mechanically bound and covered on both sides by netting. The straw is homogeneously blended and evenly distributed throughout the blanket. The netting is photodegradable polypropylene with mesh openings of approximately 3/8 in. by 3/8 in. (11 mm by 11 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with photodegradable polypropylene thread.

### TYPICAL<sup>1</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D5261	8.8 oz/yd <sup>2</sup>	298 g/m <sup>2</sup>
Thickness	ASTM D1777 <sup>2</sup>	0.25 in	6 mm
<b>Mechanical</b>			
Grab Tensile Strength	ASTM D5035	75 x 75 lb/ft	1 x1 kN/m
Grab Elongation	ASTM D5035	25%	25%
<b>Endurance</b>			
Functional Longevity	Observed	Up to 10 months	Up to 10 months
<b>Roll Sizes and Weights</b>			
Roll Size		7.5 ft x 120 ft	2.3 m x 36.5 m
Roll Weight		Approx. 55 lbs	25 kg

### NOTES

<sup>1</sup> The property values listed above are effective 10/24/00 and are subject to change without notice. A typical value is the average value obtained when testing the product.

<sup>2</sup> Modified ASTM D1777 using 6" Pressure Plate and 0.2 kPa.

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## GENERAL

LANDLOK® C2 Erosion Control Blankets consist of 100% mattress grade coconut fiber mechanically bound and covered on both sides by netting. The coconut fiber is homogeneously blended and evenly distributed throughout the blanket. Netting is UV stabilized polypropylene with mesh openings of approximately 5/8 in. by 5/8 in. (16 mm by 16 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with UV stabilized polypropylene thread.

### TYPICAL<sup>1</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D6475	8.8 oz/yd <sup>2</sup>	298.3 g/m <sup>2</sup>
Thickness	ASTM D6525	0.30 in	7.62 mm
<b>Mechanical</b>			
Grab Tensile Strength	ASTM D6818	150 x 150 lb/ft	2.19 x 2.19 kN/m
Grab Elongation	ASTM D6818	25%	25%
<b>Endurance</b>			
Functional Longevity	Observed	Up to 36 months	Up to 36 months
<b>Roll Sizes and Weights</b>			
Roll Size		7.5 ft x 120 ft	2.3 m x 36.5 m
Roll Weight		Approx. 55 lbs	25 kg

### NOTES

<sup>1</sup> The property values listed above are effective 12/2003 and are subject to change without notice. A typical value is the average value obtained when testing the product.

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## GENERAL

LANDLOK® CS2 Erosion Control Blankets consist of 70% wheat straw and 30% of mattress grade coconut fiber mechanically bound and covered on both sides by netting. The straw and coconut fiber is homogeneously blended and evenly distributed throughout the blanket. The bottom netting is photodegradable polypropylene with mesh openings of approximately 3/8 in. by 3/8 in. (11 mm by 11 mm). The top netting is UV stabilized polypropylene with mesh openings of approximately 3/8 in. x 3/8 in. (11 mm by 11 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with photodegradable polypropylene thread.

### TYPICAL<sup>1</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D6475	8.8 oz/yd <sup>2</sup>	298.3 g/m <sup>2</sup>
Thickness	ASTM D6525	0.40 in	10.16 mm
<b>Mechanical</b>			
Grab Tensile Strength	ASTM D6818	100 x 100 lb/ft	1.46 x 1.46 kN/m
Grab Elongation	ASTM D6818	30%	30%
<b>Endurance</b>			
Functional Longevity	Observed	Up to 24 months	Up to 24 months
<b>Roll Sizes and Weights</b>			
Roll Size		7.5 ft x 120 ft	2.3 m x 36.5 m
Roll Weight		Approx. 55 lbs	25 kg

#### NOTES

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## GENERAL

LANDLOK® ENC2 Erosion Control Blankets consist of 100% mattress grade coconut fiber mechanically bound and covered on both sides by netting. The coconut fiber is homogeneously blended and evenly distributed throughout the blanket. Netting is twisted jute thread with mesh openings of approximately 1/2 in. by 1 in. (13 mm x 25 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with twisted jute thread. Every component of the blanket is 100% biodegradable.

### TYPICAL<sup>1</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D6475	11.2 oz/yd <sup>2</sup>	380 g/m <sup>2</sup>
Thickness	ASTM D6525	0.45 in	11.4 mm
<b>Mechanical</b>			
Grab Tensile Strength	ASTM D6818	190 x 190 lb/ft	2.8 x 2.8 kN/m
Grab Elongation	ASTM D6818	7%	7%
<b>Endurance</b>			
Functional Longevity	Observed	Up to 24 months	Up to 24 months
<b>Roll Sizes and Weights</b>			
Roll Size		7.5 ft x 120 ft	2.3 m x 36.5 m
Roll Weight		Approx. 70 lbs	31.75 kg

#### NOTES

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## GENERAL

LANDLOK® ENCS2 Erosion Control Blankets consist of 70% wheat straw and 30% mattress grade coconut fiber mechanically bound and covered on both sides by netting. The straw and coconut fiber is homogeneously blended and evenly distributed throughout the blanket. Netting is twisted jute with mesh openings of approximately 1/2 in. by 1 in. (13 mm by 25 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with twisted jute thread. Every component of the blanket is 100% biodegradable.

### TYPICAL<sup>1</sup>

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D6475	11.2 oz/yd <sup>2</sup>	380 g/m <sup>2</sup>
Thickness	ASTM D6525	0.30 in	7.62 mm
<b>Mechanical</b>			
Grab Tensile Strength	ASTM D6818	190 x 190 lb/ft	2.8 x 2.8 kN/m
Grab Elongation	ASTM D6818	7%	7%
<b>Endurance</b>			
Functional Longevity	Observed	Up to 18 months	Up to 18 months
<b>Roll Sizes and Weights</b>			
Roll Size		7.5 ft x 120 ft	2.3 m x 36.5 m
Roll Weight		Approx. 70 lbs	31.75 kg

## NOTES

<sup>1</sup> The property values listed above are effective 12/2003 and are subject to change without notice. A typical value is the average value obtained when testing the product..

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# GEOSYNTHETICS

TC Mirafi and AASHTO M288-00 Selection Guide / AASHTO M288-00 Survivability Class

Application	Class 1		Class 2		Class 3	
	Woven	Nonwoven	Woven	Nonwoven	Woven	Nonwoven
Elongation	<50%	>50%	>50%	<50%	<50%	>50%
Subsurface Drainage						
% FINES						
<15%	FW 404	180N	FW400	160N	FW400	140N
15% to 50%	N/A	180N	FW700	160N	FW700	140N
<50%	N/A	1890N	FW 700	160N	FW700	140N
Stabilization	600X	180N	550X	160N	500X	140N
Separation	600X	180N	550X	160N	500X	140N
Permanent Erosion Control						
% FINES						
<15%	FW404	180N	FW400	160N	FW400	140N
15% to 50%	N/A	180N	FW700	160N	FW700	140N
<50%	N/A	180N	FW700	160N	FW700	140N
Sediment Control Fabrics						
	Supported Silt Fence		Self Supported			
	Woven	Nonwoven	Woven	Nonwoven		
	200X	140NL	(elongation <50%)		(elongation >50%)	
			100X	150N		