

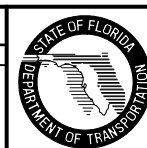
TABLE OF WOVEN GEOTEXTILE VALUES

PROPERTY		REQUIRED TEST METHOD	MIRAFI BXG11	MIRAFI BXG12	MIRAFI GEOLON HS 2400	MIRAFI GEOLON HS 3000	COMTRAC 70.70	GEOTEX 315ST	GEOTEX 2x2HF	GEOTEX 3x3HF	GEOTEX 4x4	GEOTEX 4x4HF	GEOTEX 4X6	
Permittivity (0.05 sec <sup>-1</sup> Min.)		ASTM D 4491	—	—	0.02	0.02	0.20	0.04	0.65	0.18	0.15	0.40	0.26	
UV Stability (Min. Retained Strength @ 500 hr.)		ASTM D 4355	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	
Burst Strength (psi)		ASTM D 6241	—	—	—	—	—	1,000	1,100	1,000	1,500	1,200	1,500	
Grab Strength (lb.)		ASTM D 4632	—	—	—	—	—	315	315	450/350	600/500	475/440	600/700	
A.D.S. (in.)		ASTM D 4751	1.0 x 1.0	1.0 x 1.0	0.0118	0.0118	0.0181	0.0167	0.0167	0.0236	0.0236	0.533	0.312	
Tensile Strength (lb./ft.)		ASTM D 4595												
Machine Direction	Ultimate (T <sub>ult</sub> )		2,000	2,000	28,800	36,000	4,800	2,100	2,400	3,600	4,800	4,800	4,800	
	2% Strain		500	500	—	—	—	156	276	400	456	960	700	
	5% Strain		920	920	14,400	18,000	2,196	564	744	1,392	1,452	2,400	1,200	
Cross Direction	Ultimate		2,000	4,000	3,600	3,600	3,600	2,100	2,400	3,600	4,800	4,800	6,600	
	2% Strain		500	750	—	—	—	576	660	400	1,380	1,320	1,000	
	5% Strain		920	1,350	—	—	—	1,104	1,404	1,740	2,604	2,400	2,640	
Strain @ Ultimate Tensile Strength				12%	12%	10%	10%	9%	15%	10%	10%	10%	8%	8%
Secant Modulus @ (lb./ft.)	2% Strain		ASTM D 4595	25,000	25,000	—	—	—	7,800	13,800	27,000	22,800	48,000	48,000
	5% Strain	18,400		18,400	288,000	360,000	24,400	11,280	14,880	27,000	29,040	48,000	48,000	
	10% Strain	—		—	288,000	360,000	24,400	10,440	12,480	24,000	31,200	48,000	48,000	
Seam Breaking Strength (lb./ft.)		ASTM D 4884			3,600	3,600	2,400	—	—	—	—	—	—	
Puncture Resistance (lb.)		ASTM D 4833	—	—	—	—	—	120	120	180	170	190	280	
Tear Strength (lb.)	Machine Direction	ASTM D 4833	—	—	—	—	—	120	120	180	250	180	180	
	Cross Direction	ASTM D 4833	—	—	—	—	—	120	120	110	250	180	250	
Soil-Geosynthetic Friction		ASTM D 6706	0.8	0.8	0.8	0.8	0.9	0.65	0.65	0.65	0.65	0.65	0.65	
Creep Resistance-T <sub>creep</sub> (lb./ft.)		ASTM D 5262	—	—	17,280	21,600	—	600	—	—	—	—	—	
Creep Reduction Factor (T <sub>ult</sub> /T <sub>creep</sub> )			1.6	1.6	1.67	1.67	1.67	3.5	5.0	5.0	5.0	5.0	5.0	
Installation Damage (RF <sub>c</sub> )	Sand	GRI : GG4 & GT7	1.05	1.05	1.1	1.1	1.2	1.4	1.4	1.4	1.4	1.4	1.4	
	Limestone		1.10	1.10	1.20	1.20	1.5	1.4	1.4	1.5	1.4	1.4	1.4	
Durability (RF <sub>d</sub> )	Chemical	ASTM D 5322	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
	Biological	ASTM D1987, D3083, G21 & G22	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	
Joint Strength (RF <sub>j</sub> )	Mechanical	ASTM D 4595, GRI : GG4 & GT7	—	—	—	—	—	—	—	—	—	—	—	
	Overlap *	ASTM D 6706	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.0	1.2	1.0	1.2	
Approved Application Usage			3, 4	3, 4	3, 4	3, 4	3	2	2	2	2	2	2	

Approved Application Usage: 1 = Steepened Slopes  
 2 = Reinforcement of Foundations over Soft Soils  
 3 = Both Steepened Slopes & Reinforcement of Foundations over Soft Soils  
 4 = Reinforced Embankment  
 5 = Construction Expedient  
 \* Minimum 3' Overlap

APPROVED GEOSYNTHETIC PRODUCTS  
 (WOVEN GEODRID)  
 APPLICATION AND PROPERTIES

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
07/01/08	LJ	Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength. Changed Properties for Comtrac 70.70.	01/01/09	LJ	Deleted AMOCD 2006, 2016 and 2040. Added GEOTEX 315ST, 2x2HF, 3X3HF, 4x4, 4x4HF and 4x6.



2008 Interim Design Standard

**GEOSYNTHETIC REINFORCED SOILS**

TABLE OF WOVEN GEOGRID VALUES

PROPERTY		REQUIRED TEST METHOD	MARAFI MG 2XT	MARAFI MG 3XT	MARAFI MG 5XT (Matrex 30)	MARAFI MG 7XT	MARAFI MG 8XT	MARAFI MG 10XT (Matrex 60)	MARAFI MG 18XT (Matrex 90)	MARAFI MG 20XT (Matrex 120)	MARAFI MG 22XT (Matrex 180)	MARAFI MG 24XT (Matrex 240)
UV Stability (Min. Retained Strength @ 500 hr.)		ASTM D 4355	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%
Tensile Strength (lb./ft.)		ASTM D 6637										
Machine Direction	Ultimate ( $T_{ult}$ )		2,000	3,150	4,300	5,700	7,000	9,500	9,360	12,420	17,760	25,380
	2% Strain		—	—	—	—	—	—	—	—	—	—
	5% Strain		1,000	1,056	1,740	2,160	2,520	3,120	3,250	5,340	6,700	7,000
Cross Direction	Ultimate		2,000	—	—	—	—	—	—	—	—	—
	2% Strain		—	—	—	—	—	—	—	—	—	—
	5% Strain	—	—	—	—	—	—	—	—	—	—	
Strain @ Ultimate Tensile Strength		ASTM D 6637	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Secant Modulus (lb./ft.)	2% Strain		—	—	—	—	—	—	—	—	—	—
	5% Strain		20,000	21,120	34,800	43,200	50,400	62,400	65,000	106,800	134,000	140,000
	10% Strain		—	—	—	—	—	—	—	—	—	—
Junction Strength (lb./ft.)		GRI : GG2	—	—	—	—	—	—	—	—	—	—
Soil-Geosynthetic Friction		ASTM D 6706	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Creep Resistance- $T_{creep}$ (lb./ft.)		ASTM D 5262	1,250	1,969	2,688	3,563	4,375	5,938	5,850	7,221	10,326	14,756
Creep Reduction Factor ( $T_{ult}/T_{creep}$ )			1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.72	1.72	1.72
Installation Damage (RF <sub>C</sub> )	Sand	GRI : GG4 & GT7	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
	Limestone		1.5	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Durability (RF <sub>D</sub> )	Chemical	ASTM D 5322	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	Biological	ASTM D1987, D3083, G21 & G22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Joint Strength (RF <sub>J</sub> )	Mechanical	ASTM D 6637, GRI : GG4 & GT7	—	—	—	—	—	—	—	—	—	—
	Overlap *	ASTM D 6706	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Approved Application Usage			3	3	3	3	3	3	3	3	3	3

Approved Application Usage:

- 1 = Steepened Slopes
- 2 = Reinforcement of Foundations over Soft Soils
- 3 = Both Steepened Slopes & Reinforcement of Foundations over Soft Soils
- 4 = Reinforced Embankment
- 5 = Construction Expedient
- \* Minimum 3' Overlap

APPROVED GEOSYNTHETIC PRODUCTS  
(WOVEN GEOGRID)  
APPLICATION AND PROPERTIES


<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>07/01/08</td> <td>LJ</td> <td>Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength.</td> <td>01/01/09</td> <td>LJ</td> <td>Changed Joint Strength Overlap value to 1.2 for all products.</td> </tr> </tbody> </table>						DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	07/01/08	LJ	Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength.	01/01/09	LJ	Changed Joint Strength Overlap value to 1.2 for all products.	<p>2008 Interim Design Standard</p>			<p>Interim Date 01/01/09</p>	<p>Sheet No. 5 of 9</p>
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION																	
07/01/08	LJ	Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength.	01/01/09	LJ	Changed Joint Strength Overlap value to 1.2 for all products.																	
						<p><b>GEOSYNTHETIC REINFORCED SOILS</b></p>			<p>Index No. <b>501</b></p>													

TABLE OF WOVEN GEOGRID VALUES

PROPERTY		REQUIRED TEST METHOD	SYNTEEN SF 11	SYNTEEN SF 12	SYNTEEN SF 20	SYNTEEN SF 35	SYNTEEN SF 40	SYNTEEN SF 50	SYNTEEN SF 55	SYNTEEN SF 80	SYNTEEN SF 110
UV Stability (Min. Retained Strength @ 500 hr.)		ASTM D 4355	70%	70%	70%	70%	70%	70%	70%	70%	70%
Tensile Strength (lb./ft.)		ASTM D 6637									
Machine Direction	Ultimate ( $T_{ult}$ )		2,388	2,388	1,672	2,627	3,050	3,731	3,774	5,583	7,462
	2% Strain		526	526	370	462	488	791	736	1,016	1,186
	5% Strain		990	1,042	670	725	970	922	1,159	1,273	1,684
Cross Direction	Ultimate		3,870	5,268	1,630	2,556	3,050	3,933	2,499	2,206	2,179
	2% Strain		578	797	370	399	430	630	604	882	1,274
	5% Strain	792	1,129	670	583	765	815	796	1,563	1,581	
Strain @ Ultimate Tensile Strength		ASTM D 6637	12.6%	13.0%	9.4%	14.1%	9.9%	14.2%	11.5%	13.9%	18.8%
Secant Modulus (lb./ft.)	2% Strain		26,300	26,300	18,494	23,114	24,408	39,551	36,799	50,807	59,298
	5% Strain		15,840	20,840	13,397	14,499	19,404	18,432	23,174	25,459	33,712
	10% Strain		—	—	15,206	15,234	22,089	18,432	27,137	37,910	27,380
Junction Strength (lb./ft.)		GRI : GG2	354	320	—	—	—	—	—	—	—
Soil-Geosynthetic Friction		ASTM D 6706	1.0	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Creep Resistance- $T_{creep}$ (lb./ft.)		ASTM D 5262	—	—	1,005	1,523	1,525	2,201	2,265	3,182	4,029
Creep Reduction Factor ( $T_{ult}/T_{creep}$ )			—	—	1.66	1.73	2.00	1.70	1.67	1.75	2.02
Installation Damage (RF <sub>C</sub> )	Sand	GRI : GG4 & GT7	1.18	1.06	1.05	1.15	1.15	1.08	1.08	1.08	1.08
	Limestone		1.31	1.20	1.75	1.70	1.60	1.55	1.55	1.55	1.35
Durability (RF <sub>D</sub> )	Chemical	ASTM D 5322	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	Biological	ASTM D1987, D3083, G21 & G22	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Joint Strength (RF <sub>J</sub> )	Mechanical	ASTM D 6637, GRI : GG4 & GT7	—	—	—	—	—	—	—	—	—
	Overlap *	ASTM D 6706	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Approved Application Usage			5	5	3	3	3	3	3	3	3

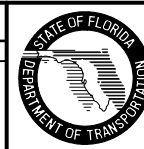
Approved Application Usage:

- 1 = Steepened Slopes
- 2 = Reinforcement of Foundations over Soft Soils
- 3 = Both Steepened Slopes & Reinforcement of Foundations over Soft Soils
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- 5 = Construction Expedient
- \* Minimum 3' Overlap

APPROVED GEOSYNTHETIC PRODUCTS  
(WOVEN GEOGRID)  
APPLICATION AND PROPERTIES

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
07/01/08	LJ	Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength.	01/01/09	LJ	Deleted Application Usage 3 & 4 for SYNTEEN SF 11 & SF 12.



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GEOSYNTHETIC REINFORCED SOILS

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TABLE OF WOVEN GEOGRID VALUES								
PROPERTY		REQUIRED TEST METHOD	RAUGRID 3/3	RAUGRID 4/2	RAUGRID 6/3	RAUGRID 8/3	RAUGRID 10/3	FORNIT 20
UV Stability (Min. Retained Strength @ 500 hr.)		ASTM D 4355	95%	95%	95%	95%	95%	92%
Tensile Strength (lb./ft.)		ASTM D 6637						
Machine Direction	Ultimate ( $T_{ult}$ )		2,233	2,843	4,350	5,288	6,590	1,159
	2% Strain		—	—	—	—	—	360
	5% Strain		712	767	1,144	1,165	1,582	774
Cross Direction	Ultimate		2,213	1,459	1,959	2,089	2,192	1,641
	2% Strain		—	—	—	—	—	543
	5% Strain	541	356	452	507	521	1,111	
Strain @ Ultimate Tensile Strength		ASTM D 6637	10.8%	11.8%	13.1%	12.2%	11.5%	6%
Secant Modulus (lb./ft.)	2% Strain		—	—	—	—	—	18,000
	5% Strain		—	—	—	—	—	15,480
	10% Strain		—	—	—	—	—	—
Junction Strength (lb./ft.)		GRI : GG2	N/A	100%	100%	100%	100%	480
Soil-Geosynthetic Friction		ASTM D 6706	0.8	0.8	0.8	0.8	0.8	0.9
Creep Resistance- $T_{creep}$ (lb./ft.)		ASTM D 5262	1,466	1,870	2,862	3,479	4,335	—
Creep Reduction Factor ( $T_{ult}/T_{creep}$ )			1.52	1.52	1.52	1.52	1.52	—
Installation Damage (RF <sub>C</sub> )	Sand	GRI : GG4 & GT7	1.10	1.10	1.10	1.10	1.10	1.10
	Limestone		1.17	1.17	1.17	1.17	1.17	1.30
Durability (RF <sub>D</sub> )	Chemical	ASTM D 5322	1.15	1.15	1.15	1.15	1.15	1.10
	Biological	ASTM D1987, D3083, G21 & G22	1.15	1.15	1.15	1.15	1.15	1.0
Joint Strength (RF <sub>J</sub> )	Mechanical	ASTM D 6637, GRI : GG4 & GT7	—	—	—	—	—	—
	Overlap *	ASTM D 6706	—	—	—	—	—	1.0
Approved Application Usage			2, 5	2, 5	2, 5	2, 5	2, 5	2, 5

Approved Application Usage:  
 1 = Steepened Slopes  
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 3 = Both Steepened Slopes & Reinforcement of Foundations over Soft Soils  
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**APPROVED GEOSYNTHETIC PRODUCTS  
 (WOVEN GEOGRID)  
 APPLICATION AND PROPERTIES**


<b>REVISIONS</b>						2008 Interim Design Standard		Interim Date	Sheet No.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	 <b>GEOSYNTHETIC REINFORCED SOILS</b>		01/01/09	7 of 9
07/01/08	LJ	Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength.	01/01/09	LJ	Added Fornit 20.			<b>Index No. 501</b>	

TABLE OF EXTRUDED GEOGRID VALUES

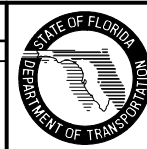
PROPERTY		REQUIRED TEST METHOD	TENSAR BX 4100	TENSAR BX 4200	TENSAR BX 1100	TENSAR BX 1120	TENSAR BX 1200	TENSAR BX 1220	TENSAR BX 1500
UV Stability (Min. Retained Strength @ 500 hr.)		ASTM D 4355	90%	90%	90%	100%	90%	100%	90%
Tensile Strength (lb./ft.)		ASTM D 6637							
Machine Direction	Ultimate ( $T_{ult}$ )		860	1,270	850	850	1,315	1,315	1,790
	2% Strain		240	370	280	280	410	410	580
	5% Strain		480	705	580	580	810	810	1,200
Cross Direction	Ultimate		875	1,370	1,300	1,300	1,975	1,975	2,055
	2% Strain		300	500	450	450	670	670	685
	5% Strain	635	960	920	920	1,360	1,360	1,370	
Strain @ Ultimate Tensile Strength		ASTM D 6637	10%	10%	10%	10%	10%	10%	10%
Secant Modulus @ (lb./ft.)	2% Strain		11,995	18,506	14,000	14,000	20,500	20,500	29,000
	5% Strain		9,596	14,092	11,600	11,600	16,200	16,200	27,400
	10% Strain		—	—	—	—	—	—	—
Junction Strength (lb./ft.)		GRI : GG2	90%	90%	790/1,210	93%	93%	93%	93%
Soil-Geosynthetic Friction		ASTM D 6706	—	0.95	0.90	0.90	0.90	0.90	0.90
Creep Resistance- $T_{creep}$ (lb./ft.)		ASTM D 5262	250	420	280	280	425	425	575
Creep Reduction Factor ( $T_{ult}/T_{creep}$ )			3.5	3.27	3.1	3.1	3.1	3.1	3.1
Installation Damage (RF <sub>C</sub> )	Sand	GRI : GG4 & GT7	1.10	1.10	1.10	1.10	1.10	1.10	1.10
	Limestone		1.43	1.35	1.35	1.35	1.35	1.35	1.35
Durability (RF <sub>D</sub> )	Chemical	ASTM D 5322	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	Biological	ASTM D1987, D3083, G21 & G22	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Joint Strength (RF <sub>J</sub> )	Mechanical	ASTM D 6637, GRI : GG4 & GT7	—	—	—	—	—	—	—
	Overlap *	ASTM D 6706	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Approved Application Usage			3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5	3, 4, 5

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APPROVED GEOSYNTHETIC PRODUCTS  
 (EXTRUDED GEOGRID)  
 APPLICATION AND PROPERTIES

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
07/01/08	LJ	Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength.	01/01/09	LJ	Changed Creep Resistance and Reduction Factor for TENSAR BX 1100, BX 1120, BX 1220 & BX 1500.



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GEOSYNTHETIC REINFORCED SOILS

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TABLE OF EXTRUDED GEOGRID VALUES

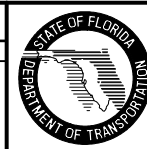
PROPERTY		REQUIRED TEST METHOD	TENSAR UX 1400 HS UX 1400 MSE UX MESA 3	TENSAR UX 1500 HS UX 1500 MSE UX MESA 4	TENSAR UX 1600 HS UX 1600 MSE UX MESA 5	TENSAR UX 1700 HS UX 1700 MSE UX MESA 6	TENAX MS 220	TENAX MS 330	COMBIGRID 30/30 Q1 151 GRK 3	SECUGRID 20/20 Q1	SECUGRID 30/30 Q1
UV Stability (Min. Retained Strength @ 500 hr.)		ASTM D 4355	90%	90%	90%	90%	85%	85%	90%	90%	90%
Tensile Strength (lb./ft.)		ASTM D 6637									
Machine Direction	Ultimate ( $T_{ult}$ )		4,790	7810	9,860	11,980	925	1,370	2,055	1,646	2,055
	2% Strain		1,100	1,850	2,330	2,740	300	418	686	549	686
	5% Strain		2,130	3,560	3,980	5,140	615	925	1,475	1,029	1,475
Cross Direction	Ultimate		—	—	—	—	1,400	2,100	2,055	1,646	2,055
	2% Strain		—	—	—	—	445	616	686	549	686
	5% Strain	—	—	—	—	890	1,340	1,475	1,029	1,475	
Strain @ Ultimate Tensile Strength		ASTM D 6637	10%	10%	10%	10%	12%	12%	8%	9%	7.5%
Secant Modulus (lb./ft.)	2% Strain		55,000	92,500	116,500	137,000	15,000	20,900	34,300	27,450	34,300
	5% Strain		42,600	71,200	79,600	102,800	12,330	18,500	29,500	20,580	29,500
	10% Strain		—	—	—	—	—	—	—	—	—
Junction Strength (lb./ft.)		GRI : GG2	90%	90%	90%	90%	835	1,230	337	549	617
Soil-Geosynthetic Friction		ASTM D 6706	0.462	0.462	0.462	0.462	—	—	0.65	0.93	0.93
Creep Resistance- $T_{creep}$ (lb./ft.)		ASTM D 5262	1,970	3,000	3,960	4,975	—	—	726	581	726
Creep Reduction Factor ( $T_{ult}/T_{creep}$ )			2.43	2.60	2.49	2.41	3.5	3.5	2.83	2.83	2.83
Installation Damage (RF <sub>C</sub> )	Sand	GRI : GG4 & GT7	1.10	1.10	1.10	1.10	1.1	1.1	1.1	1.1	1.1
	Limestone		1.20	1.20	1.20	1.20	1.1	1.1	1.1	1.1	1.1
Durability (RF <sub>D</sub> )	Chemical	ASTM D 5322	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	Biological	ASTM D1987, D3083, G21 & G22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Joint Strength (RF <sub>J</sub> )	Mechanical	ASTM D 6637, GRI : GG4 & GT7	1.0	1.0	1.0	1.0	1.0	1.0	—	—	—
	Overlap *	ASTM D 6706	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Approved Application Usage			3	3	3	3	2, 5	2, 5	2, 5	2, 5	2, 5

Approved Application Usage:  
 1 = Steepened Slopes  
 2 = Reinforcement of Foundations over Soft Soils  
 3 = Both Steepened Slopes & Reinforcement of Foundations over Soft Soils  
 4 = Reinforced Embankment  
 5 = Construction Expedient  
 \* Minimum 3' Overlap

APPROVED GEOSYNTHETIC PRODUCTS  
 (EXTRUDED GEOGRID)  
 APPLICATION AND PROPERTIES

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
07/01/08	LJ	Changed Required Test Method for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor, and Overlap Joint Strength. Changed Properties for MS220 & TENAX MS 330.	01/01/09	LJ	Added COMBIGRID 30/30 Q1 151 GRK 3, SECUGRID 20/20 Q1 and SECUGRID 30/30 Q1



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GEOSYNTHETIC REINFORCED SOILS

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