



Selection Guide

Product Properties ¹	Test Method	Units		FG1515	FG1100	FG2020	FG1200	FG1500	FG3030	FG3030L
Aperture Dimensions		in (mm)	MD	1.5 (38)	1 (25)	1.5 (38)	1 (25)	1 (25)	1.3 (34)	2.2 (57)
			XD	1.5 (38)	1.3 (33)	1.5 (38)	1.3 (33)	1.06 (27)	1.3 (34)	2.2 (57)
Minimum Rib Thickness ²		in (mm)	MD	0.035 (0.9)	0.03 (0.76)	0.04 (1.1)	0.05 (1.27)	0.07 (1.78)	0.07 (1.78)	0.06 (1.5)
			XD	0.025 (0.6)	0.03 (0.76)	0.03 (0.8)	0.04 (1.1)	0.06 (1.5)	0.04 (1)	0.04 (0.9)
Tensile Strength at 2% Strain	ASTM D6637	lb/ft (kN/m)	MD XD	340 (5)	280 (4.1)	450 (6.5)	410 (6) 620 (9)	580 (8.5) 690 (10)	690 (9.36) 690 (9.36)	710 (9.63) 710 (9.63)
			MD	340 (5) 750 (11)	450 (6.6) 580 (8.5)	450 (6.5) 890 (13)	810 (11.8)	1,200 (17.5)	1,390 (9.36)	1,430 (19.4)
Tensile Strength at 5% Strain	ASTM D6637	lb/ft (kN/m)	XD	750 (11)	920 (13.4)	890 (13)	1,340 (19.6)	1,370 (20)	1,390 (18.85)	1,430 (19.4)
Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	MD	1030 (11)	849 (12.4)	1370 (20)	1,340 (19.8)	1,850 (27)	2,050 (30)	2,050 (30)
			XD	1030 (15)	1,300 (19)	1370 (20)	1,970 (28.8)	2,050 (30)	2,050 (30)	2,050 (30)
			AD.	13.1 x 246	13.1 x 246	13.1 x 164	13.1 x 164	13.1 x 164	13.1 x 164	13.1 x 164
Roll Size Standard*		ft (m)		(4 x 75)	(4 x 75)	(4 x 50)	(4 x 50)	(4 x 50)	(4 x 50)	(4 x 50)
				(1 × 73)	(1775)	(1 X 30)	(1 × 30)	(1 × 30)	(1 × 30)	(1 × 30)
Structural Integrity										
Junction Efficiency ³	ASTM D7737	%		93	93	93	93	90	93	93
Flexural Stiffness	ASTM D7748	mg-cm		250,000	250,000	700,000	750,000	2,000,000	2,000,000	450,000
Aperture Stability	USACOE	m-N/deg		0.38	0.32	0.45	0.65	0.6	0.9	0.58
Down bilitary					•	•	•		•	
Durability										
Resistance to Installation Damage	ASTM D5818	%SC / %SW / %GP		95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	75% GP
Resistance to Long Term Degradation ⁴	EPA 9090	%		100	100	100	100	100	100	100
Resistance to UV Degradation ⁵	ASTM D4355	%		100	100	100	100	100	100	100
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Geotextile Hydraulic Properties ¹	Test Method									
Apparent Opening Size (AOS)	ASTM D-4751	English Metric		70 US Std. Sieve 0.212 mm						
Permittivity	ASTM D-4491		weurc	1.5 sec ⁻¹						
Water Flow Rate	ASTM D-4491		English	110 gpm/ft²						
			Metric	4479 1/min/m²						

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*Dimensions & Delivery

The BASELOK™ geogrid composite shall be delivered to the job site in roll form with each roll individually identified and nominally measuring 4m (13.1-FT) in width and 50m (164-FT) or 75m (246-FT) in length. FABGRID™ is also available in 16-FT width.

- 1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759. Brief descriptions of test procedures are given in the following notes.
- 2. Nominal dimensions.
- 3. Load transfer capability determined in accordance with ASTM D6637 and ASTM D7737 and expressed as a percentage of ultimate tensile strength.

BASELOK™ FABGRID™ may change product specifications without notice. The determination of whether the **BASELOK™ FABGRID™** system is suitable for use in the application described in our literature and on our website is to be determined solely by the user. The information provided is not intended to be nor does it represent engineering advice for any particular project or use. Professional engineering should be consulted before installation of **BASELOK™ FABGRID™** units to assure proper design and installation. ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. **BASELOK™ FABGRID™** are trademarks of Industrial Fabrics, Inc.