

BASELOK® FABGRID® is a composite geosynthetic consisting of a non-woven geotextile bonded to BaseLok® GeoGrid. This product combines the most advanced geogrid technology with the added functionality of a non-woven geotextile for applications where site conditions require additional filtration and/or separation. BaseLok® GeoGrid allows strong mechanical interlock with the soil being reinforced, while the geotextile provides separation and filtration without preventing the soil geogrid interlock.



PRODUCT PROPERTIES¹

GeoGrid Index Properties	Test Method	Units	MD Values ¹	XMD Values ¹
» Aperture Dimensions ²		in (mm)	1.5 (38)	1.5 (38)
» Minimum Rib Thickness ²		in (mm)	0.04 (1.1)	0.03 (0.8)
» Tensile Strength @ 2% Strain	ASTM D6637	lb/ft (kN/m)	450 (6.5)	450 (6.5)
» Tensile Strength @ 5% Strain	ASTM D6637	lb/ft (kN/m)	890 (13)	890 (13)
» Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	1,370 (20)	1,370 (20)
» Radial Stiffness @ 0.5% Strain	ASTM D6637	lb/ft (kN/m)		24,000 (350)

Structural Integrity

» Junction Efficiency	ASTM D6637 & D7737	%		93
» Overall Flexural Stiffness	ASTM D7748	mg-cm		700,000
» Aperture Stability	ASTM D7864	m-N/deg		0.45

Durability

» Resistance to Installation Damage	ASTM D6637 & D5818	%SC / %SW / %GP		95 / 93 / 90
» Resistance to Long Term Degradation	EPA 9090	%		100
» Resistance to UV Degradation	ASTM D4355	%		100

GEOTEXTILE HYDRAULIC PROPERTIES¹

FILTER FABRIC	Test Method	English	Metric
» Type: Non-woven			
» Apparent Opening Size (AOS)	ASTM D4751	70 US Std. Sieve	0.212 mm
» Permittivity	ASTM D4491	1.5 sec ⁻¹	1.5 sec ⁻¹
» Water Flow Rate	ASTM D4491	110 gpm/ft ²	4,479 l/min/m ²

Dimensions & Delivery

The BASELOK® geogrid composite shall be delivered to the job site in roll form with each roll individually identified and nominally measuring 3.81m (12.5-FT) in width and 75m (246-FT) in length. **BASELOK® FABGRID®** is also available in 16-FT width.

Notes:

1. Unless indicated otherwise, values shown are Minimum Average Roll Values (MARV) in accordance with ASTM D4759.
2. Nominal Dimensions.



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Customer should verify with the product manufacturer that customer has the most current **BASELOK® FABGRID®** specifications for the product ordered or purchased. The **BASELOK® FABGRID®** system can be used in the application described in our literature and on our website, provided proper installation and engineering principles are followed. Professional engineering should be consulted before installation of **BASELOK® FABGRID®** units to assure appropriate design and use. ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. **BASELOK®** is a trademark of Industrial Fabrics, Inc.