



BASELOK™ FABGRID™ is a composite geosynthetic consisting of a non-woven geotextile bonded to BX 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. BX 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

Technical Characteristics	Units	MD Values¹	XMD Values¹
» Aperture Dimensions	in (mm)	1.3 (34)	1.3 (34)
» Minimum Rib Thickness ²	in (mm)	0.09 (2.2)	0.06 (1.5)
» Tensile Strength @ 2% Strain	lb/ft (kN/m)	720 (10.5)	720 (10.5)
» Tensile Strength @ 5% Strain	lb/ft (kN/m)	1,440 (21)	1,440 (21)
» Ultimate Tensile Strength	lb/ft (kN/m)	2,055 (30)	2,055 (30)

Structural Integrity

» Junction Efficiency ³	%	93	
» Flexural Stiffness	mg-cm	3,000,000	
» Aperture Stability	m-N/deg	0.9	

Durability

» Resistance to Installation Damage	%SC / %SW / %GP	95 / 93 / 90	
» Resistance to Chemical Degradation ⁴	%	100	
» Resistance to UV Degradation ⁵	%	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 1/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 4m (13.1-FT) in width and 50m (164-FT) in length. **BASELOK™ FABGRID™** is also available in 16-FT width.

Notes

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 according to ASTM D7737.
4. Resistance to loss of load capacity or structural integrity when subjected to chemically aggressive environments according to EPA 9090 immersion testing.
5. Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in according to ASTM D4355.



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