



## Miragrid® BXG120

Mirafi® BXG120 geogrid is composed of polypropylene resin which is extruded, punched and drawn into a grid structure. Mirafi® BXG120 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Tensile Strength (at ultimate) <sup>1</sup>	ASTM D6637	lbs/ft (kN/m)	1310 (19.2)	1970 (28.8)
Tensile Strength (at 2% strain) <sup>1</sup>	ASTM D6637	lbs/ft (kN/m)	410 (6.0)	620 (9.0)
Tensile Strength (at 5% strain) <sup>1</sup>	ASTM D6637	lbs/ft (kN/m)	810 (11.8)	1340 (19.6)
Junction Strength <sup>2</sup>	ASTM D7737	lbs/ft (kN/m)	1227 (17.9)	1844 (26.9)
Junction Efficiency <sup>2</sup>		%	93	
Flexural Rigidity <sup>3</sup>		mg-cm	750,000	
Aperture Stability <sup>4</sup>		m-N/deg	0.65	
Resistance to Installation Damage <sup>5</sup>		% SC/%SW/%GP	95 / 93/ 90	
Resistance to Long Term Degradation <sup>6</sup>		%	100	
Resistance to UV Degradation <sup>7</sup>		%	100	

PHYSICAL PROPERTIES	UNIT	TYPICAL ROLL SIZE	
Rib Thickness	in (mm)	0.05 (1.27)	0.05 (1.27)
Grid Aperture Size (MD)	in (mm)	1.0 (25.4)	
Grid Aperture Size (CMD)	in (mm)	1.3 (33.0)	
Roll Dimensions (width x length)	ft (m)	12.9 x 164 (3.93 x 50)	
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	235 (196)	
Estimated Roll Weight	lbs(kg)	140 (63.5)	
Label Roll Color		White	

<sup>1</sup> True resistance to elongation when initially subjected to a load determined in accordance with ASTM D6637 without deforming test materials under load before measuring such resistance or employing “secant” or “offset” tangent methods of measurement to overstate tensile properties.

<sup>2</sup> Load transfer capability expressed as a percentage of ultimate tensile strength.

<sup>3</sup> Resistance to bending force determined in accordance with ASTM D7748, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs (as a “ladder”), and of length sufficiently long to enable measurement of the overhang dimension. The overall Flexural Rigidity is calculated as the square root of the product of MD and CD Flexural Rigidity values.

<sup>4</sup> Resistance to in-plane rotational movement measured by applying a 20 kg-cm (2 m-N) moment to the central junction of a 9 inch x 9 inch specimen restrained at its perimeter in accordance with GRI GG9.

<sup>5</sup> Resistance to loss of load capacity or structural integrity when subjected to mechanical installation stress in clayey sand (SC), well graded sand (SW), and crushed stone classified as poorly graded gravel (GP). The geogrid shall be sampled in accordance with ASTM D5818 and load capacity shall be determined in accordance with ASTM D6637.

<sup>6</sup> Resistance to loss of load capacity or structural integrity when subjected to chemically aggressive environments in accordance with EPA 9090 immersion testing.

<sup>7</sup> Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with ASTM D4355.

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FGS000744  
ETQR22



# LOCATIONS & CONTACT INFO

## ASP ENTERPRISES

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Wichita, KS 316.393.1554

Colorado Springs, CO 719.257.7840

Salt Lake City, UT 435.276.0820

# SOLUTIONS WE SUPPLY

## GEOSYNTHETICS

Filter Fabrics  
Stabilization Fabrics

### Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

### Specialty Fabrics

#### Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

## SEDIMENT CONTROL

### Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

### Ditch Checks

- Triangle Silt Dike
- GeoRidge

### Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

### Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

### Sediment Basin Skimmers

### Dewatering Bags

### Trackout Control

- FODS
- Rumble Grates

### Turbidity Curtains

## EROSION CONTROL

### Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

### High-Performance Hydraulically Applied Products

- BFM
- FGM
- Additives & Tackifiers

### Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

### Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

### Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

### Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

## STORMWATER MANAGEMENT

### Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

### Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

### Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

### Inlet Structures

- PVC
- Drain Basis, In-Line Drains
- Landscape

### Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

## SPECIALTY

### Natural & Synthetic Coir Fiber Logs

### Vegetated Reinforced Soil Slopes

### Soil Anchors

### Root Barrier System

### AquaBlok

### Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT  
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**