

Carthage Mills

GX[®] GEOGRIDS

WWW.GXGEOGRIDS.COM

SUPPORT SERVICES



Tradition

Since pioneering the first use of geotextiles in **1958**, Carthage Mills has been a recognized leader in the application of geosynthetics. This tradition is continued with the superior performance of the GX® Geogrid product line.

At Carthage Mills, it's the support that makes the difference.



Experience

Those in the SRW/MSE industry deal with a very unique set of challenges, and they face them everyday. Throughout the SRW design, bidding and construction process, one thing is absolutely certain—it's **experience** that really matters!

"Geosynthetics"...it's what we do, and we've been doing it for over **50 years**. But of particular importance to **you**, is the fact that our Regional Sales Management team has significant experience as former design/build SRW Contractors and/or Engineers themselves.

It is this practical field experience that enables us to tailor our service on each project to make Carthage Mills' customers more competitive at bid time, as well as prepared to offer cost saving value engineering alternatives whenever appropriate.

Service and Support

The highest level of Customer Service and Support has been a core value of Carthage Mills for over **50 years**. With our introduction of GX® Geogrids, Carthage Mills has expanded that commitment to include complete retaining wall design services ranging from preliminary designs with reliable material bid estimates to final stamped designs.

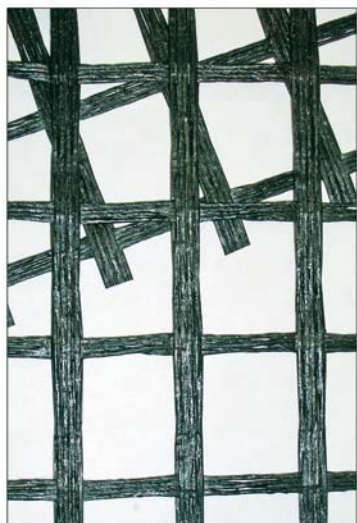
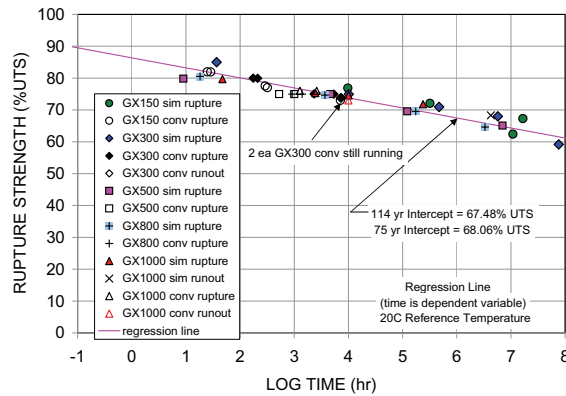
Innovation

Carthage Mills' GX[®] Geogrids were designed from the beginning to provide the most efficient long-term design strengths (LTDS) in the industry.

Carthage Mills' GX[®] Geogrids are manufactured from high tenacity, high molecular weight polyester (PET) fibers in a full range of tensile strengths and represent the latest developments in woven geogrids for MSE applications. Woven with exacting manufacturing tolerances into a

stable interlocking grid, then PVC coated to provide resistance to chemical and biological degradation as well as construction related installation damage.

CARTHAGE GEOGRID FAMILY RUPTURE CURVE



Unparalleled Soil Reinforcement and Cost Effectiveness

Comprehensive testing program: GX[®] Geogrids have been tested in accordance with the most rigorous standards of our industry ensuring credible information upon which the most demanding mechanically stabilized earth (MSE) designs can rely.

- Superior Long-term Creep Rupture Performance
- Exceptional Installation Damage Resistance
- Highly Resistant to Chemical and Biological Degradation
- Excellent Soil Interaction Delivering Immediate Tensile Reinforcement

Superior Long-term Designs Strengths: The combination of these properties have resulted in a line of unparalleled soil reinforcement products that deliver the most efficient Long-Term Design Strengths (LTDS) in the industry today.

Physical Properties

Property	Unit	Method	GX [®] -150	GX [®] -300	GX [®] -500	GX [®] -700	GX [®] -800	GX [®] -1000
Wide Width Tensile (Ult)		ASTM D 6637	1,700	3,250	4,500	6,080	7,315	9,790
Creep Reduced Strength	lb/ft	ASTM D 5262	1,156	2,211	3,061	4,136	4,976	6,660
Long Term Design Strength (LTDS)		NCMA	1,011	1,879	2,601	3,514	4,228	5,658
Standard Roll Dimensions (12' wide available upon request)	ft		6 x 300	6 x 300	6 x 300	6 x 300	6 x 300	6 x 300
Roll Area	yd ²	Measured	200	200	200	200	200	200
Estimated Weight	lbs		75	91	113	131	148	174

Notes:
 1. All values reported in this table are M.A.R.V. unless otherwise stated.
 2. Tensile strength reported for GX-150 is the same in both the machine and cross-machine directions. It is a biaxial strength product.
 3. Long Term Design Strength (LTDS) values reported above are typical for performance of the geogrid in a silty sand soil. LTDS varies with soil type.
 4. The properties reported for Carthage Mills GX[®] Geogrids are effective 12/01/08 and subject to change without notice.



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The Carthage Mills Advantage

Whether you are a developer, a design engineer, a distributor or contractor/installer, Carthage Mills has the practical Knowledge, the Products, the Support, and the Experience that — from initial design through delivery of products and final construction — are proven to **MAKE A DIFFERENCE!**

W W W . G X G E O G R I D S . C O M

“THE PRODUCTS YOU NEED
WITH SUPPORT THAT
MAKES A DIFFERENCE”

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