



Miragrid[®] 5XT

Miragrid[®] 5XT geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with a PVC coating. Miragrid[®] 5XT geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by [a2La](#) (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)). [NTPEP](#) test data.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
			Machine Direction
Tensile Strength (at ultimate)	ASTM D6637	lbs/ft (kN/m)	4700 (68.6)
Tensile Strength (at 5% strain)	ASTM D6637	lbs/ft (kN/m)	1740 (25.4)
Creep Reduced Strength	ASTM D5262	lbs/ft (kN/m)	2975 (43.4)
Long Term Allowable Design Load ¹	GRI GG-4(b)	lbs/ft (kN/m)	2575 (37.6)

¹ NOTE: Long Term Allowable Design values are for sand, silt and clay

Physical Properties	Unit	Typical Value ²
Mass/Unit Area (ASTM D5261)	oz/yd ² (g/m ²)	9.3 (315)
Roll Dimensions (width x length)	ft (m)	12 x 150 (3.6 x 46)
Roll Area	yd ² (m ²)	200 (165)
Estimated Roll Weight	lbs (kg)	123 (56)

² ASTM D4439 Standard Terminology for Geosynthetics: typical value, *n—for geosynthetics*, the mean value calculated from documented manufacturing quality control test results for a defined population obtained from one test method associated with on specific property.

Creep Reduced Strength (ASTM D5262), and Long Term Allowable Design Load (GRI GG-4(b)) is not covered by our current A2LA accreditation.

Disclaimer: TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

Mirafi[®] is a registered trademark of Nicolon Corporation.

Copyright © 2014 Nicolon Corporation. All Rights Reserved.



PO Box 87380
Carol Stream, IL 60188
630.293.3111

www.roadfabrics.com



GAI-LAP-25-97



Testing Lab 1291.01 & 1291.02