

MIRAMESH® GR GEOGRIDS

These structures are cost-effective when compared to traditional reinforced concrete methods since they incorporate on-site soils as opposed to importing expensive aggregate. These structures can also be constructed with many different types of facing elements to fit your landscape designs.

Miramesh® GR is a green mesh facing to provide an instant green face before vegetation growth. It is UV coated to provide a 75 to 100-year design life for permanent MSE wall face and slope face.

April 2023		Miramesh® GR Geogrid		
Style	Test Method	Units	MARV	
			MD	CD
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	1440 (21.0)	1733 (25.3)
Creep Reduced Strength	ASTM D5262	lbs/ft (kN/m)	471 (6.9)	566 (8.3)
Long Term Allowable Design Load ¹	GRI GT-7	lbs/ft (kN/m)	407 (5.9)	490 (7.2)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	Typical Value 100	
UV Resistance (at 2000 hours)			Typical Value 97	
UV Resistance (at 5000 hours)			Typical Value 90	
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	Typical Value 5.8 (196.6)	
Design Life	See Note ²	Years	Minimum Test Value 75	

Notes

1. Long Term Allowable Design values are for sand, silt and clay. Creep Reduction Factor based on 75-year design life.
2. Extrapolated from the average half-life based on ASTM D7238 (QUV). Data also found in the Mirafi® UV Durability Technical Note.

April 2023		Miramesh® GR Geogrid Packaging	
Style	Units	Roll Characteristic	
Color	-	Green	
Aperture Size (machine direction)	in (mm)	0.08 (2)	
Aperture Size (cross machine direction)	in (mm)	0.08 (2)	
Roll Dimensions (width x length)	ft (m)	8 x 150 (2.4 x 45.7)	
Roll Area	yd ² (m ²)	133 (110)	
Estimated Roll Weight	lbs (kg)	51 (23)	

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