



Erosion Protection



Soil Reinforcement

Miramesh® GR Biaxial Geosynthetics for Green Slope Applications

TenCate develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

The Difference Miramesh® GR Biaxial Geosynthetic Makes:

- **Strength.** Biaxial strength to provide uniform design strengths and facilitate one layer installation for secondary reinforcement and face erosion protection.
- **Flexible.** Easily conforms to the slope face to provide a stable platform for vegetation.
- **Vegetation Support.** Vegetation testing shows Miramesh® GR performs better than biaxial geogrids and geotextiles in providing a suitable platform for vegetation. The unique product construction allows for retention of soil and small apertures for vegetation to grow.
- **Color.** Grass green color designed to provide instant green appearance.
- **Stability.** UV Stable for longevity.
- **Long-Term Durability.** Excellent creep and durability properties.

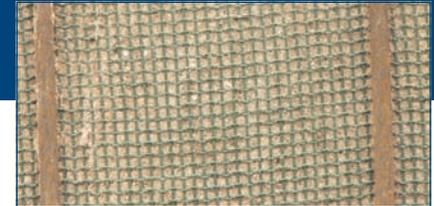
APPLICATIONS

Miramesh® GR is an open mesh geosynthetic designed specifically to be a face wrap material for steepened slope applications. Miramesh® GR provides surface erosion protection and secondary reinforcement. The erosion protection facilitates the establishment of vegetation and provides structural support for the forming of over-steepened slopes. The secondary reinforcement facilitates compaction and helps prevent surficial sloughing at the slope face.

The stability of a slope can be threatened by erosion due to surface water runoff, or more severe erosive forces associated with water currents and wave attack. Slope face erosion may create rills and gullies, and result in surface sloughing and possible deep-seated failure surfaces. Erosion control and vegetation measures are an integral part of all reinforced slope system designs and specifications.

INSTALLATION GUIDELINES*

When using Miramesh® GR as secondary reinforcement and slope erosion protection, the product is rolled out parallel to the slope face. Place the Miramesh® GR inside the welded wire basket and embed the product 0.9m (3ft) into



Miramesh® GR Biaxial Geosynthetic

the soil. Backfill in contact with the Miramesh® GR geosynthetic should be 300mm (1.5ft) of topsoil which allows for vegetation growth. After lift is complete, fold Miramesh® GR back over the backfill 1.1m (3.5ft). The slope face should be seeded per engineer's recommendations.

* These guidelines serve as a general basis for installation. Detailed instructions are available from your Miraf® representative.

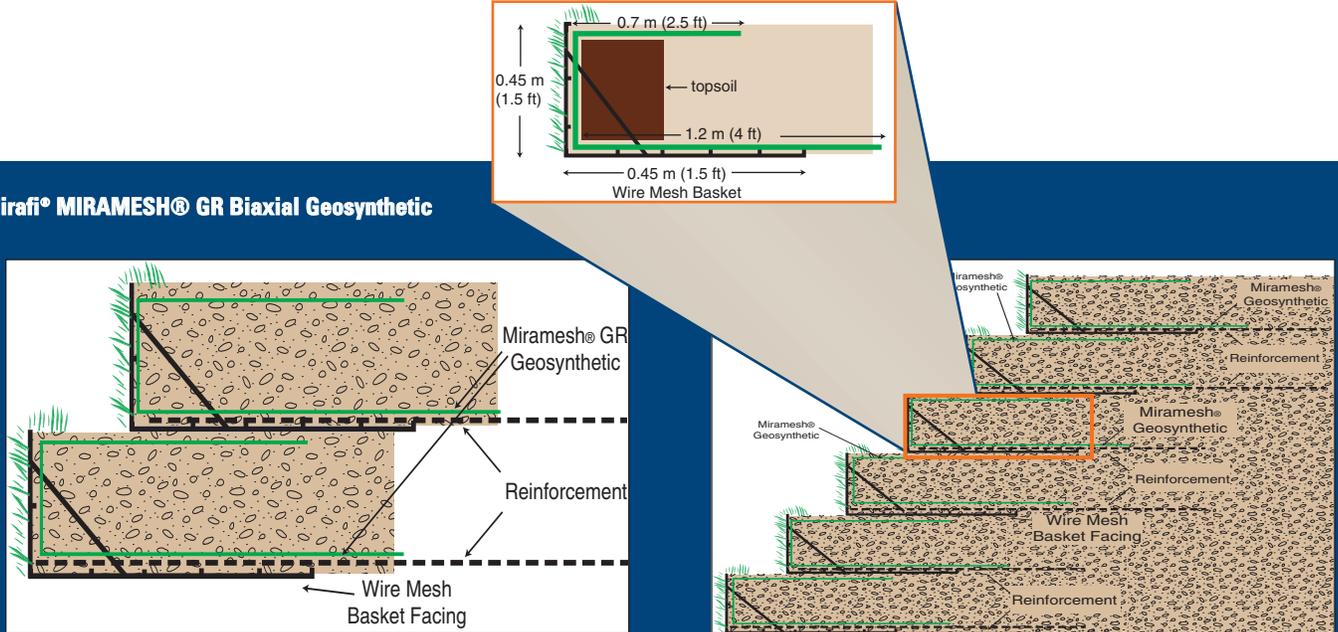


Miramesh® GR Biaxial Geosynthetics for Green Slope Applications

Property	Test Method	Units	Miramesh® GR (MD x CD)
Tensile Strength (at ultimate)	ASTM D 4595	kN/m (lbs/ft)	21.0 (1440) x 25.3 (1733)
Creep Reduced Strength	ASTM D 5262	kN/m (lbs/ft)	6.9 (471) x 8.3 (566)
Long Term Allowable Design Load	GRI GG-4	kN/m (lbs/ft)	5.9 (407) x 7.2 (490)
Aperture Size	-	mm (in)	3.0 (0.12) x 3.0 (0.12)
Color	-	-	Green
UV Resistance (at 500 hours)	ASTM D 4355	% strength returned	90%
Packaging			
Roll Width		m (ft)	2.4 (8.0)
Roll Length		m (ft)	45.7 (150)
Weight		kg (lbs)	25 (55)
Roll Area		m ² (yd ²)	109.7 (133.3)

Note: Values shown are minimum average roll values.

Mirafi® MIRAMESH® GR Biaxial Geosynthetic



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