

GSFW-315 Woven Geotextile

Product Data Sheet

Product Details

GSFW-315 is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. GSFW-315 resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals.

Fabric Properties

Property	Test	MARV English	MARV Metric
Tensile Strength (grab tensile)	ASTM D4632	315 lbs	1400 N
Elongation	ASTM D4632	15%	15%
CBR Puncture	ASTM D6241	900 lbs	4003 N
Trapezoidal Tear	ASTM D4533	120 lbs	533 N
UV Resistance (at 500 hours)	ASTM D4355	70%	70%
Apparent Opening Size	ASTM D4751	40 US Std. Sieve	0.425 mm
Permittivity	ASTM D4491	0.05 sec-1	0.05 sec-1
Water Flow Rate	ASTM D4491	4 gpm/ft ²	163 l/min/m ²
Weight (typical)	ASTM D5261	6.0 oz	203 g/m ²
Thickness (typical)	ASTM D5199	25 mils	0.6 mm
Roll Dimensions (width x length)	na	*12.5' x 360'	3.81 m x 110 m
Roll Area	na	500 sq. yds.	418 m ²
Estimated Roll Weight	na	222 lbs	101 kg

*Alternate widths include 15' and 17.5'. Ask your local representative for availability in your area.

Installation Guidelines

Clear, grub and excavate (as required) to the plan subgrade or undercut elevation, stripping topsoil, deleterious debris and unsuitable material from the site. The surface of the subgrade should be relatively smooth and level, and depressions or humps greater than 6 inches (15 cm) should be graded out. The fabric should be placed directly on the prepared subgrade. It should be rolled out flat and tight. Overlap should be determined by the engineer. The fabric may be held in place with sod staples or fabric pins. Aggregate should be placed directly over the fabric in 8-12" lifts. Care should be taken during compaction to ensure no damage to the subgrade. If the subgrade pumps or ruts, consideration for an alternative geosynthetic fabric is recommended.

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