

# GSFW-200 Woven Geotextile

## Product Data Sheet

### Product Details

GSFW fabrics are slit tape woven fabrics offering separation between road base rock and the subgrade. These fabrics do not provide any significant strength improvement, but will keep the road base rock from intermingling with the subgrade.

### Fabric Properties

Property	Test	MARV English	MARV Metric
Tensile Strength (grab tensile)	ASTM D4632	200 lbs	890 N
Elongation	ASTM D4632	15%	15%
CBR Puncture	ASTM D6241	700 lbs	3115 N
Trapezoidal Tear	ASTM D4533	75 lbs	330 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	5 gpm/ft <sup>2</sup>	204 l/min/m <sup>2</sup>
Weight (typical)	ASTM D5261	4.0 oz	136 g/m <sup>2</sup>
Thickness (typical)	ASTM D5199	20 mils	0.51 mm
Roll Dimensions (width x length)	na	*12.5' x 432'	3.81 m x 131.7 m
Roll Area	na	600 sq. yds.	502 m <sup>2</sup>
Estimated Roll Weight	na	182 lbs	83 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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