

## Mirafi<sup>®</sup> TM14S

Mirafi<sup>®</sup> TM14S is a 3-dimensional, lofty synthetic, erosion control mat, which provides bare soil retention, vegetation nurturing and turf reinforcement. Mirafi<sup>®</sup> TM14S is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

PERFORMANCE PROPERTIES	TEST METHOD	UNIT	VALUE	
Overtopping Discharge (Q) <sup>1</sup>	Large Scale	CFS/ft <sup>2</sup> (ls/m <sup>2</sup> )	4.0 (1219)	
Manning's Coefficient <sup>2</sup>	Calculated	"n"	0.033	
MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Tensile Strength @ Ultimate	ASTM D6818	lbs/ft (kN/m)	3000 (43.8)	2400 (35.0)
			MINIMUM TEST VALUE	
UV Resistance (at 3000 hours)	ASTM D4355	% strength retained	95	
UV Resistance (at 6000 hours)	ASTM D4355	% strength retained	90	
UV Resistance (at 10000 hours)	ASTM D4355	% strength retained	80	
			TYPICAL ROLL VALUE	
Resiliency <sup>3</sup>	ASTM D6524	mils (mm)	330 (8.4)	
Thickness	ASTM D6525	mils (mm)	475 (1.21)	
			MAXIMUM ROLL VALUE	
			MD	CD
Tensile Elongation	ASTM D6818	%	50	50
Light Penetration	ASTM D6567	%	40	
PHYSICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL ROLL SIZE	
Mass Per Unit Area	ASTM D6566	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	8.5 (288)	
Roll Dimensions (width x length)			12' x 75' (3.66m x 22.9m)	
Estimated Roll Weight			60 lbs (27 kg)	
Label Roll Color			White	

<sup>1</sup> Based on 3:1 Bed Slope

<sup>2</sup> Higher Manning's Coefficient will result in reduced flow velocity.

<sup>3</sup> Typical Resiliency Thickness reported in mils, *T<sub>f</sub>* per Section 9.5, ASTM D6524.

PATENT # 8,252,705

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