

ENVIRO LINER® 1000 – TEXTURED GEOMEMBRANE

With its exceptional flexibility and endurance properties, Layfield's Enviro Liner® (EL) brand of geomembranes has been a trusted performer in our portfolio for many years. Available in four unique formulations, this series of geomembranes offers solutions for a wide range of containment applications.

Enviro Liner® 1000 textured is a flexible membrane liner developed for the containment of drilling fluids and water used in hydraulic fracturing operations, with an added roughened top surface.

April 2023		Enviro Liner® 1000 Textured	
Rev	ASTM	Enviro Liner® 1130 Textured	Enviro Liner® 1140 Textured
Thickness	D5994	28.5 mil 0.72 mm	38 mil 0.97 mm
Asperity Height	D7466	10 mil 0.25 mm	10 mil 0.25 mm
Density (typical)	D792	0.93 g/ml	0.93 g/ml
Tensile Strength at Break	D6693	45 ppi 8 N/mm	60 ppi 11 N/mm
Elongation at Break	D6693	250%	250%
Tear Resistance	D1004	16 lbs 70 N	22 lbs 100 N
Puncture Resistance	D4833	33 lbs 150 N	44 lbs 200 N
Carbon Black Content	D6370	≥ 2.0%	≥ 2.0%
Carbon Black Dispersion	D5596	Cat 1 or 2	Cat 1 or 12
Low Temperature Impact Resistance	D746	-40°F -40°C	-40°F -40°C

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For up-to-date technical information, be sure to visit us online at www.LayfieldGroup.com

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April 2023

Enviro Liner® 1000 Textured Shop Seam Strengths

Style	ASTM D6392	Enviro Liner® 1130 Textured	Enviro Liner® 1140 Textured
Heat Bonded Seam Strength	25.4 mm (1") Strip	45 ppi 7.7 N/mm	60 ppi 10.3 N/mm
Peel Adhesion Strength (Wedge Welded)	25.4 mm (1") Strip	38 ppi 6.7 N/mm	50 ppi 8.7 N/mm

April 2023

Enviro Liner® 1000 Field Seam Strengths

Style	ASTM D6392	Enviro Liner® 1130 Textured	Enviro Liner® 1140 Textured
Heat Bonded Seam Strength	25.4 mm (1") Strip	45 ppi 7.7 N/mm	60 ppi 10.3 N/mm
Peel Adhesion Strength (Wedge Welded)	25.4 mm (1") Strip	34 ppi 5.9 N/mm	44 ppi 7.7 N/mm

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