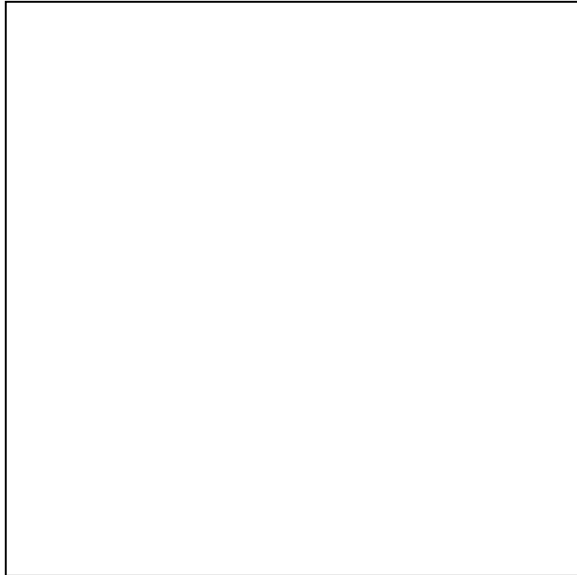


http://www.layfieldgroup.com/index_product2.cfm?ID=geo&divID=1&pass=product&productID=44&type=2&return=yes#44



Geomembranes - Enviro Liner

Enviro Liner® is our premium quality geomembrane material designed for top performance in all geomembrane applications.

Enviro Liner® is a proprietary polyolefin material designed for outstanding durability, chemical resistance, and flexibility. Enviro Liner® is manufactured by Layfield at our facility in Vancouver, B.C. Every step in the production of an Enviro Liner® geomembrane is completed according to our ISO 9002 Quality System, ensuring your liner adheres to stringent standards for all geomembrane applications. Whether you require manufactured roll stock, fabricated geomembrane panels, or complete installation services, Layfield's Enviro Liner® is your first choice in geomembrane technology.



Enviro Liner® is ideal for applications such as water and waste water, secondary containment and soil remediation, and pond and canal liners. Enviro Liner® has been specially formulated for long term UV durability. Enviro Liner® contains special additives to optimize UV life expectancy. Our goal in developing the Enviro Liner® formulation has been to offer a highly UV stabilized flexible liner, that provides the same exposed service life at 30 mil as can be expected from 60 mil.

The flexibility of Enviro Liner® allows us to prefabricate large panels of liner in our plant. Often, entire ponds can be lined one piece, speeding construction and minimizing field work. Enviro Liner® is ideally suited to cold temperature installation and is flexible in temperatures that would damage other lining materials.

Enviro Liner® has excellent chemical resistance and can be used for secondary containment in a variety of applications. Enviro Liner® is also used in water containment, canal, and most other liner applications.

25 Nov 2003	Enviro Liner® Minimum Material Properties			
Style	ASTM	Enviro Liner® 20 (U)	Enviro Liner® 30 (U)	Enviro Liner® 40 (U)
Thickness (Nominal)	D5199	20 mil 0.5 mm	30 mil 0.75 mm	40 mil 1.0 mm
Tensile Strength at Break	D638	77 ppi 13.5 N/mm	115 ppi 20.1 N/mm	152 ppi 26 N/mm
Elongation	D638	800%	800%	800%
Tear Resistance	D1004	11 lbs 49 N	16 lbs 71 N	22 lbs 98 N
Low Temperature Impact Resistance	D1790	-94°F -70°C	-94°F -70°C	-94°F -70°C
Dimensional Stability	D1204 Max Chng	1.5%	1.5%	1.5%
Puncture Resistance	D4833	32 lbs 142 N	48 lbs 213 N	61 lbs 271 N

25 Nov 2003	Enviro Liner® Minimum Shop Seam Strengths			
Style	ASTM	Enviro Liner® 20 (U)	Enviro Liner® 30 (U)	Enviro Liner® 40 (U)
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	37 ppi 6.5 N/mm	50 ppi 8.8 N/mm	70 ppi 12.2 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	FTB 30 ppi 5.3 N/mm	FTB 45 ppi 7.9 N/mm	FTB 60 ppi 10.5 N/mm

25 Nov 2003	Enviro Liner® Minimum Field Seam Strengths			
Style	ASTM	Enviro Liner® 20 (U)	Enviro Liner® 30 (U)	Enviro Liner® 40 (U)
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	30 ppi 5.3 N/mm	45 ppi 7.9 N/mm	60 ppi 10.5 N/mm
	D6392	FTB	FTB	FTB

