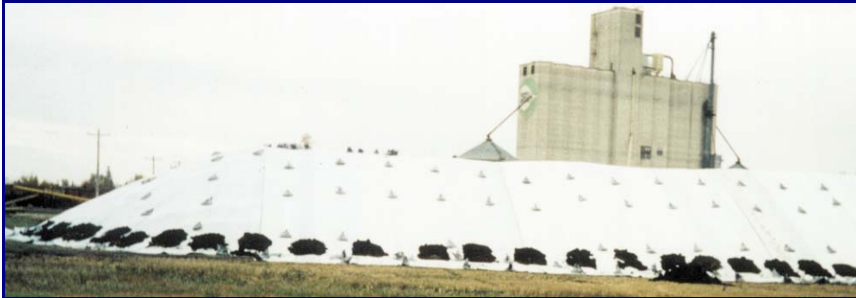


THIN MIL GEOMEMBRANES

Tarpaulin Geomembranes - (Woven Coated Polyethylene)

Reinforced Film Geomembranes—(String reinforced Polyethylene blown film)

Tarpaulins (Tarps) and String Reinforced have been the primary fabric used for inexpensive temporary containment applications. These fabrics are ideal for short-term storage of inert liquids, as well as for covering and enclosure applications where tear strength is desired. They are not appropriate in chemical resistant applications nor in long-term storage situations. These membranes are hot air seamed in factory settings and can be fabricated into large panels up to 40 or 50 thousand square foot panels. They are manufactured in mil thicknesses from 5 mils to 35 mils. The most common being 12, 14, 16 & 20 mil thicknesses. Field seaming is most effectively done by sewing or taping together. These are acceptable methods in covering applications. They are not easily repaired in the field back to water tight status. Materials UV stability and wind resistance is low.



Common Applications

- Temporary Containment
- Grain Covers
- Salt Pile Covers
- Hay Covers
- Oil Field Pit Liners
- Alternative Daily Covers
- Landfill Protective Membranes
- Building Enclosures
- Athletic Field Covers
- Concrete Curing Blankets

Material Advantages

- Can be pre-paneled in large sizes up to and over one acre per panel.
- Can be made in various colors and can be print for advertizing etc.
- Joints by a welded thermal bonding or sewing
- UV Stable HDPE tapes woven together for high dimensional stability and high tear strength.
- Available in 5 mil and 30 mil



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THIN MIL GEOMEMBRANES

Thin Mil Geomembranes Specification Guide

Properties	Test Method	Specified Values					
		Tarpaulins *			Reinforced Film		
Thickness, Mils	ASTM D-2103	12	20	25	8	12	
Weight , min, oz/sy	ASTM D-1910	6	10	11.7	4	6	
Tensile Strength, lbs	ASTM D-5034 (Grab)						
	Warp direction	217	160	425	66	98	
	Fill direction	191	160	340	18.4	98	
Mullen Burst Strength, lbs.	ASTM D-751	383	600	675	88	>88	
Tear Resistance, lbs.	ASTM D-2261 (Tongue)	Warp	71	125	125	112	78
		Fill	70	125	125	17.7	25
Puncture Resistance, lbs	ASTM D-751	60	165	>165			
Hydrostatic Resistance, lbs	ASTM D-751	128	200	240.00		100.00	
Water Vapor Transmission	ASTM E-96 (methods a & b) (g/m2/24hrs) & (g/100in2/day)	33	60	60	32	23	
Accelerated Weathering, %	ASTM G-53 (strength after 2,000hr of exposure)	80	80	80	80	80	
Elongation at Break, %	ASTM D751-95				122	650	

All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, either expressed or implied. These values are typical data and are not intended as limiting specifications. Values are +/- 10% of listed values.

* There hundreds of thin mil membranes available. Call with your applications and we can connect you with an appropriate membrane and design to meet your project needs.



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