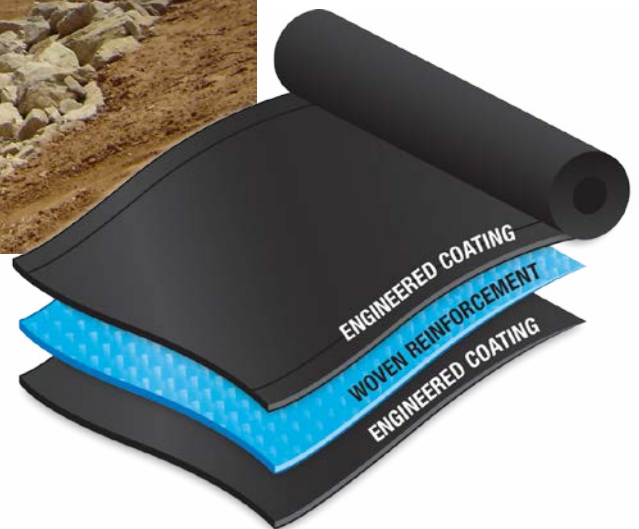


ArmorLiner® 30

15 OZ GEOMEMBRANE



PRODUCT DESCRIPTION

A heavyweight fabric incorporating a special weave pattern to enhance puncture, flatness, and tear properties. The coating recipe is designed to improve toughness and abrasion resistance for exposed applications up to 15 years.

RECOMMENDED APPLICATIONS

Large Exposed Reservoirs, Water Ski Lakes, Long Term Containment Liners

PRODUCT DIMENSIONS

- Cores** 4 inch I.D. or 5 inch I.D. available (10 cm or 13 cm)
- Width** Up to 150 in (381 cm) (-0, +0.5) as ordered
- Length** Minimum 250 yds/roll (229 m); up to 1000 yds/roll (914 m)

PRODUCT SPECIFICATIONS

- Weave** Woven black HDPE scrim
- Coating** LDPE, 5.25 mil average each side (126 g/m²/side)
- Color** White, black or other colored coatings available
- Weight** 15 oz/yd² (509 g/m²) ± 5%



Certified to NSF/ANSI 61

These values are typical data and are not intended as limiting specifications.

PERFORMANCE PROPERTIES

The following data are typical values based on ASTM standard tests. This data should not be considered specification.

Thickness ASTM D1777	Nominal 30 mil (0.75mm), ± 10%
Grab Tensile (N) ASTM D7004	MD 340 lb (1510) TD 520 lb (2309)
Strip Tensile (N/5cm) ASTM D7003	MD 210 lb/in (1865) TD 320 lb/in (2842)
Tongue Tear—large scale (N) ASTM D5884	MD 45 lb (200) TD 55 lb (244)
Mullen Burst ASTM D751	700 psi (4823 kPa)
MVTR ASTM E96 Proc. BW	0.089 g/m ² · 24hr (0.013 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	4.59 x 10 ⁻¹⁵ cm/s
Hydrostatic Resistance ASTM D751	610 psi (4203 kPa)
Puncture Resistance ASTM D4833	200 lb (888 N)
CBR Static Puncture ASTM D6241	1481 lb (6576 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -2.2% TD -1.4%
Low Temperature Flex ASTM D2136	MD & TD: Pass @ -65°C (-85°F)
HP-OIT ASTM D5885 (Measured on coating formulation)	2410 minutes
Accelerated UV Weatheringⁱ ASTM G151 ASTM G154	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs exposure @ 1.35 W/m ² /nm

MD = Machine Direction. TD = Transverse Direction
ⁱ Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C



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