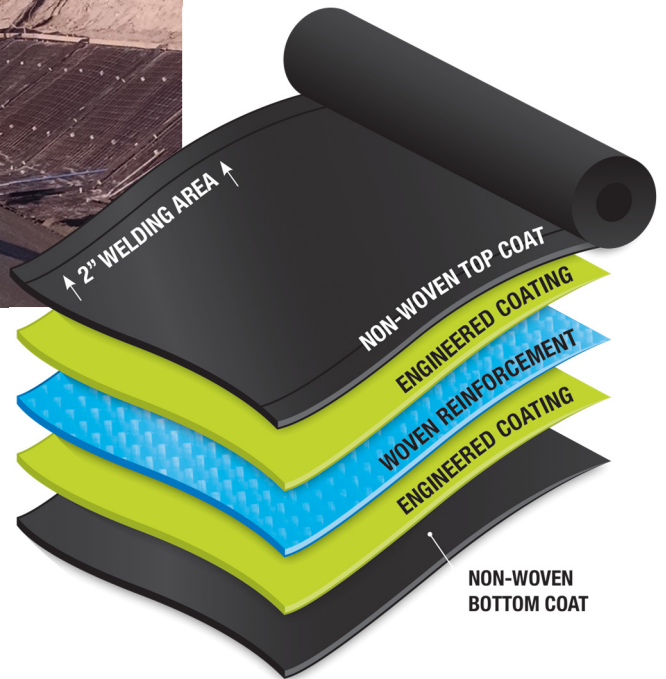


ArmorPad® 3NWLD

18 OZ GEOMEMBRANE



PRODUCT DESCRIPTION

A heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. This product has a two sides laminated non-woven geotextile to reduce slip risks in dry and wet conditions and to increase puncture resistance. This product is intended for short-term exposed applications.

RECOMMENDED APPLICATIONS

Canal Lining, Well Pads

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 450 yds/roll (411 m)

PRODUCT SPECIFICATIONS

Weave Woven black HDPE scrim
Coating 2.4 mil average each side (57 g/m²/side)
Anti-Slip Layer 3 oz Needle punch PP
Color White, black or other colored coatings available
Weight 18 oz/yd² (610 g/m²) ± 5%

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 24 mil (0.60 mm), ± 10% (without non-woven layers)
Grab Tensile (N) ASTM D7004	MD 500 lb (2220) TD 350 lb (1554)
Strip Tensile (N/5cm) ASTM D7003	MD 250 lb/in (2220) TD 200 lb/in (1776)
Tongue Tear—large scale (N) ASTM D5884	MD 100 lb (444) TD 100 lb (444)
Mullen Burst ASTM D751	650 psi (4479 kPa)
MVTR ASTM E96 Proc. BW	0.28 g/m ² · 24hr (0.04 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	3.94 x 10 ⁻¹⁴ cm/s
Hydrostatic Resistance ASTM D751	400 psi (2756 kPa) (measured on non-laminated liner)
Puncture Resistance ASTM D4833	275 lb (1221 N)
CBR Static Puncture ASTM D6241	1351 lb (5998 N)
Dimensional Stability ASTM D1204	MD -1.5% TD -1.0%
Low Temperature Flex ASTM D2136	MD & TD: Pass @ -40°C (-40°F)
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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