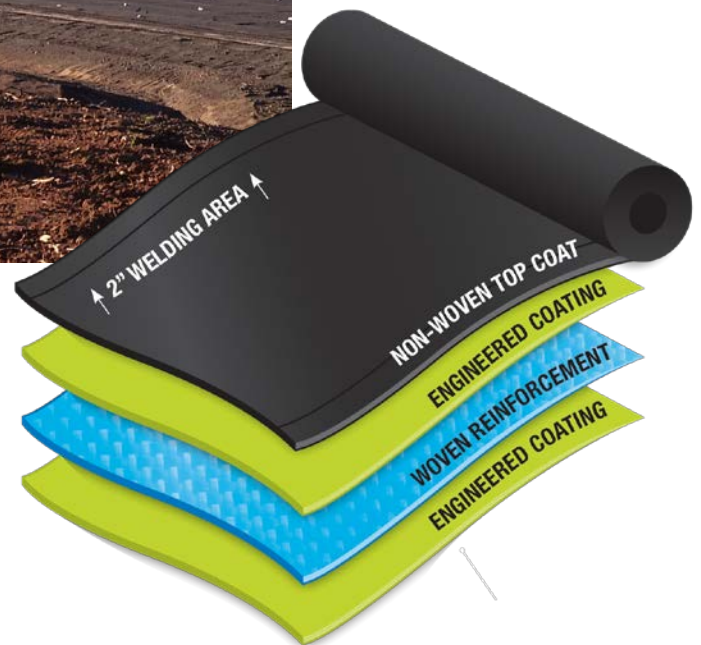


## ArmorPad® 3NWL

13.9 OZ GEOMEMBRANE



### PRODUCT DESCRIPTION

A heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. This product has a one side laminated non-woven geotextile to reduce slip risks in dry and wet conditions. The coating recipe is designed to improve toughness and abrasion 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 500 yds/roll (457 m)

### PRODUCT SPECIFICATIONS

**Weave** Woven black HDPE scrim  
**Coating** 2.4 mil average each side (57 g/m<sup>2</sup>/side)  
**Anti-Slip Layer** 3 oz Needle punch PP  
**Color** White, black or other colored coatings available  
**Weight** 13.9 oz/yd<sup>2</sup> (471 g/m<sup>2</sup>) ± 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.

<b>Thickness</b> ASTM D1777	Nominal 24 mil (0.60 mm), ± 10% (without anti-slip layer)
<b>Grab Tensile (N)</b> ASTM D7004	MD 470 lb (2091) TD 330 lb (1468)
<b>Strip Tensile (N/5cm)</b> ASTM D7003	MD 285 lb/in (2495) TD 220 lb/in (1926)
<b>Tongue Tear—large scale (N)</b> ASTM D5884	MD 100 lb (444) TD 100 lb (444)
<b>Mullen Burst</b> ASTM D3786-01	660 psi (4554 kPa)
<b>MVTR</b> ASTM E96 Proc. BW	0.30 g/m <sup>2</sup> ·24hr (0.04 perms)
<b>Hydraulic Conductivity (Permeability)</b> Calculated from MVTR	2.68 x 10 <sup>-14</sup> cm/s
<b>Hydrostatic Resistance</b> ASTM D751	400 psi (2756 kPa)
<b>Puncture Resistance</b> ASTM D4833	230 lb (1023 N)
<b>CBR Static Puncture</b> ASTM D6241	1128 lb (5016 N)
<b>Dimensional Stability</b> ASTM D1204	MD -1.9% TD -1.4%
<b>Low Temperature Flex</b> ASTM D2136	MD & TD: Pass @ -40°C (-40°F)
<b>Accelerated UV Weathering<sup>i</sup></b> ASTM G151 ASTM G154	>90% strength retention after 2000 hrs exposure @ 0.77 W/m <sup>2</sup> /nm, or 1200 hrs exposure @ 1.35 W/m <sup>2</sup> /nm

MD = Machine Direction. TD = Transverse Direction.

<sup>i</sup> Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C



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