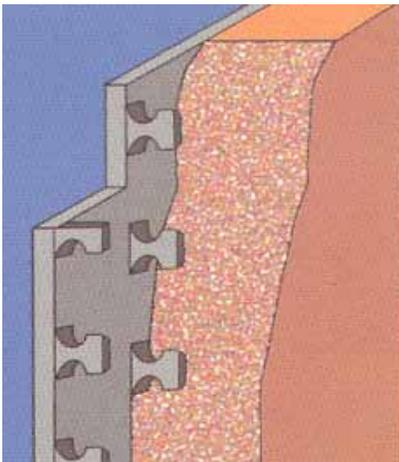


### **ACROLINE<sup>®</sup> 110 Anchored Thermoplastic Liner**



#### **DESCRIPTION**

ACROLINE 110 is a high-density polyethylene (HDPE) embedment liner that seals and protects concrete structures against chemical and mechanical damage, as well as leakage into or out of the structures. Liners are smooth on one side and feature 110 studs per square foot on the other side. Fresh concrete or grout is placed against the anchored side of the liner. Seams between sheets are welded and leak-tight. As the liner expands and contracts with changes in service temperature, the numerous embedded studs keep the liner tightly attached to the concrete. This mechanical anchoring system also enables the liner to resist hydrostatic backpressure in below-grade installations.

#### **AREAS OF USE**

- Trenches
- Containment Areas
- Storage Tanks
- Process Vessels
- Sumps
- Manholes
- Lift Stations
- Sewer Pipe
- Concrete Structures

#### **OUTSTANDING FEATURES**

- Anchored sheet is homogeneously extruded. Anchors are not attached separately.
- A range of thicknesses and light and dark colors are available to meet your requirements.
- Numerous anchors provide high resistance to pull-out from the substrate.
- Liner bridges cracks in concrete substrate, maintaining containment and corrosion protection.
- Liner system has a long design life and is maintenance-free and repairable.

**TYPICAL PHYSICAL PROPERTIES**

PROPERTY	TEST METHOD	VALUE
Color		Black and Gray
Sheet Thickness	ASTM D 5199	0.080"-0.200" (2.0, 3.0, 4.0, and 5.0 mm )
Density	ASTM D 1505	59 pcf (0.94 g/cm <sup>3</sup> )
Tensile Strength at yield	ASTM D 6693 Type IV, Dumbbell G.L. = 2.0 in (50 mm)	2,220 PSI (15.31 MPa)
Elongation at Break	As above	500%
Stud Pull-out strength	Proprietary	>14,000 lb per SF (670 kN/m <sup>2</sup> ), assumes 5000 PSI (35 MPa) concrete
Notched Constant Tensile Load	ASTM D 5397	400 hours
Low Temperature Brittleness	ASTM D 746	-166°F (-77°C)
Dimensional Stability	ASTM D 1204	±1.0 % (each direction)
Water Absorption	ASTM D 570	<0.1%
Water Vapor Transmission	ASTM E 96	<2 x 10 <sup>-6</sup> lb/ft <sup>2</sup> /day (<0.01 g/m <sup>2</sup> /day)
Roll Width		8 ft (2.44 m)
Roll Length*		196-246 lf (60-75 lm)
Roll Surface Area*		1,704 -1968 sf (158 -183 m <sup>2</sup> )

\*Varies with sheet thickness. Custom lengths are available. Inquire.

**DISCLAIMER**

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and [material safety data sheets](#) before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user.



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