

COOLTHANE®



Primary and Secondary Fuel Containment

Oil Booms | Inflatable Boats | Baffles |
Collapsible Tanks | General Industrial

Added Benefits

Outstanding fuel and chemical resistance
Proven performance at low temperatures
Exceptional resistance to UV, extreme
weather, tearing, and abrasion
Durable under tough conditions, minimizing
wear and damage

Available Colors

Black | Tan | White
Custom colors available upon request



CoolThane® TPU membranes are engineered for both primary and secondary containment of liquids—including potable water, fuels, and a wide range of aggressive chemicals. Their exceptional flexibility allows them to conform to complex surfaces while providing superior resistance to punctures, abrasion, ultraviolet radiation, and extreme temperatures.

Available in ether and ester formulations, CoolThane membranes are hydrolytically stable and resistant to petroleum hydrocarbons, making them ideal for long-term fuel, chemical, and potable water applications. The exclusive “rip-stop” scrim, advanced polymer processing, and precise manufacturing produce a versatile, high-performance geomembrane.

Combining high strength with outstanding heat-sealing performance, these membranes deliver long-lasting, reliable protection, and performance even in the most demanding environments—from military liners and water bladders to inflatable boats, oil booms, and lightweight containment fabrics.

**For more information, please contact
Cooley Containment Solutions**

Cooley Group
350 Esten Avenue
Pawtucket, RI 02860
Tel: +1 401.724.9000
containment@cooleygroup.com
cooleygroup.com

CoolThane® 30 FML87

TECHNICAL DATA

COATED FABRIC SPECIFICATIONS*

Revision Date: 13 Jan 2026
Expiry Date: 13 Jan 2031

Total thickness	35±3 mils
Total weight	30±2 oz/yd ²
Coating Type	Polyurethane (TPU)
Sealing Properties	Dielectric Thermal

PROPERTY	MINIMUM	TYPICAL	TEST METHOD
Strip Tensile Strength	240 / 225 lbs/in	280 / 275 lbs/in	ASTM D751B
Tear Strength, Tongue	150 / 150 lbs	215 / 185 lbs	ASTM D5884
Puncture Strength, Screwdriver	90 lbs	100 lbs	ASTM D751
Puncture Strength, Ball	500 lbs	745 lbs	ASTM D751
Hydrostatic Resistance	500 psi	650 psi	ASTM D751
RF Adhesion Strength	35 lbs/in	50 lbs/in	ASTM D751
Abrasion Resistance	6,500 cycles	7,500 cycles	ASTM D3885
Low Temperature Bend	-45°F		ASTM D2136
High Temp (continuous/intermittent)	160 / 180°F		ASTM D1204

Comments: This product designed for primary containment of fuel.
Permeability: 0.03 oz/ft2/day (Fuel B) - ASTM D814
Volume Swell: 2% max (Fuel B) - ASTM D543
Solubility: 1.0% max by weight (Fuel B) - ASTM D543

Note: For Tan/Black material, the tan side is designed for exterior

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