

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
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TECHNICAL DATA

COATED FABRIC SPECIFICATIONS*

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

Total thickness	28±2 mils
Total weight	23±2oz/yd ²
Coating Type	TPU
Sealing Properties	Dielectric Thermal

PROPERTY		MINIMUM	TYPICAL	TEST METHOD
Strip Tensile Strength	warp/fill	240 / 200 lbs/in	285 / 265 lbs/in	ASTM D751B
Tear Strength, Tongue	warp/fill	160 / 160 lbs	245 / 225 lbs	ASTM D5884
Puncture Strength, Screwdriver		75 lbs	85 lbs	ASTM D751
Puncture Strength, Ball		500 lbs	550 lbs	ASTM D751
Hydrostatic Resistance		400 psi	475 psi	ASTM D751
Seam Adhesion Strength		45 lbs/in	80 lbs/in	ASTM D751
Low Temperature Bend		-65°F		ASTM D2135
High Temperature (Continuous/Intermittent)		160 / 180°F		ASTM D1204

Comments:

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