

COOLPRO®



Water Protection & Preservation

Floating Covers | Aquaculture |
Potable Water & Reservoirs Liners

Added Benefits:

Certified to NSF/ANSI/CAN 61 and
AS/NZS 4020 for potable water use

Scrim-reinforced, lightweight and
highly flexible

Exceptional resistance to chlorine,
UV, tearing, and puncture

Plasticizer and chlorine free

Available Colors

Black | Tan | White
Custom colors available upon request



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CoolPro® polypropylene geomembranes are engineered to meet the critical demands of liquid containment and pollution control. Trusted for potable water reservoirs, floating covers, agricultural ponds, and industrial applications, CoolPro® delivers superior, long-term performance and reliability to HDPE, EPDM, and CSPE.

Engineered for durability, CoolPro® offers exceptional resistance to chlorine, UV exposure, tearing, and puncture. Unlike HDPE, it resists environmental stress cracking, and because it contains no plasticizers, there is no risk of leaching or cracking. Its flexibility allows it to contour to slopes and irregular surfaces, while its lightweight design enables very large panel fabrication—minimizing costly field seams and easing installation.

CoolPro® is certified to NSF/ANSI/CAN 61 and AS/NZS 4020 for potable water use. Offered in reinforced or non-reinforced versions, standard colors of black, tan and white, with custom colors available upon request. Available from 20 to 100 mils, with optional enhanced UV-stabilizer packages for the harshest environments.

**For more information, please contact
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CoolPro® RPP45 | 45 mils

TECHNICAL DATA

COATED FABRIC SPECIFICATIONS*

Revision Date: 8 May 2025
Expiry Date: 4 Jan 2027

Total Thickness (nominal)	45 mils
Thickness (minimum avg)	41 mils
Weight (nominal)	0.19/ft ²
Coating Type	TPO

PROPERTY		MINIMUM	TYPICAL	TEST METHOD
Breaking Strength	warp/fill	300 / 250 lbs	350 / 325 lbs	ASTM D751A
Break Elongation	warp/fill	22 / 22%	35 / 35%	ASTM D751A
Tear Strength	warp/fill	100 / 100 lbs	140 / 140 lbs	ASTM D5884
Hydrostatic Resistance		350 psi	450 psi	ASTM D751A
Puncture Resistance (pyramid)		300 lbs	350 lbs	Method 2031
Puncture Resistance (flat tip)		85 lbs	90 lbs	ASTM D4833
Ply Adhesion		40 lbs/2 in	50 lbs/2 in	ASTM D751
Dimensional Stability		1% (max)	0.5% (max)	ASTM D1204
Abrasion Resistance (H18/1 kg)		7,500 cycles	10,000	ASTM D3389
Low Temperature Bend		-40°F (max)		ASTM D2136
UV Resistance – No chalking/cracking		20,000 hrs	40,000 hrs	ASTM D7238
UV Resistance (20K hrs) – Tensile strength and elongation retained		>50%	>92%	ASTM D751
Bonded Seam Strength		200 lbs	260 lbs	ASTM D7749
Seam Peel Adhesion		25 lbs/in	35 lbs/in	ASTM D7747

Comments:

- This product meets GRI GM-18 / FGI RPP / NSF/ANSI/CAN 61 and AS/NZS 4020 Specification.
- This product is safe for fish and plants and passes the following USEPA Chronic Toxicity Screening tests: EPA 1000.0, EPA 1002.0, EPA 2000, and EPA 2021.0
- Seam strength complies with the specification GRI GM-19b, Seam Strength and Related Properties of Thermally Bonded Reinforced Polyolefin Geomembranes/Barriers.

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