

COOLTECT® RPE30



Applications

Variety of Liners, Covers, and Baffle Curtains |
Water Containment | Construction Enclosures |
Primary and Secondary Containment |
Many More

Added Benefits

Encapsulated Edge
High-Strength Polyester Knit Scrim
Flexible Polyethylene Polymer
High-Chemical Resistance
Excellent UV Resistance

Available Colors

Black | Tan | White | Custom Colors

Available Width

78 in. / 1.98 m

Available Thicknesses

30 | 36 | 45 | 60 mils

Meets GRI GM25 - NSF/ANSI 61 and
AS/NZS 4020 Potable Water Certified

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CoolTect RPE Geomembrane is a high-performance blend of flexible polyethylene polymers designed for a diverse array of applications including pad liners, pit liners, pond/tank liners and covers, and primary and secondary containment. Its flexibility allows for improved quality control as well as easy pre-fabrication—providing cost and time savings by eliminating construction in the field.

Cooley's RPE is engineered with a high-strength polyester-knitted, reinforced scrim for superior dimensional stability and advanced puncture and tear strength. These key features safeguard from expansion and contraction, provide a smoother installation process, and resist wrinkles, maintaining the uniformity and integrity in the geomembrane throughout your project's lifespan. CoolTect RPE is manufactured with a factory-encapsulated edge by our unique extrusion process. By extruding the polymer directly on the scrim, CoolTect RPE maintains a superior geomembrane performance over coated or laminated alternatives. CoolTect RPE is made with advanced additives and UV protection formulas that ensuring excellent durability throughout the product's long lifespan. Even exposed or buried applications maintain their functionality up to 20 years depending on application and product thickness.

The CoolTect RPE Geomembrane's optimized product design is reliable and cost-effective. Cooley's history of proven performance ensures consistent quality, responsive customer service, and world-class technical support.

CoolTect® RPE30 | 30 mils

TECHNICAL SPECIFICATIONS

Coated Fabric	Standard
Total Weight (nominal)	30 (+/- 2) mils
Thickness (nominal)	18 oz / yd ²
Coating Type	Polyethylene
Coating Distribution	50 / 50
Sealing Properties	Thermal

This product is certified to AS4020 and NSF Standard 61 for potable water containment.

This product meets the requirements of GRI GM-25 (Category 3 – Standard) specification.

Material Properties	ASTM Test Methods	Minimum	Typical
Tensile Strength, Grab (Warp / Fill)	D751A	250 / 250 lbs	300 / 265 lbs
Tensile Elongation, Grab (Warp / Fill)	D751A	25 / 25%	35 / 40%
Tear Strength, Tongue (Warp / Fill)	D5884	80 / 80 lbs	161 / 188 lbs
Puncture, Rod	D4883	75 lbs	96 lbs
Ply Adhesion Strength	D751	20 lbs / in	25 lbs / in
Low Temperature Bend	D2136	-70°F	-70°F
Abrasion Resistance (H18 / 1 kg)	D3389	5,000 cycles	6,000 cycles
Ozone Resistance (100 pphm @ 40°C)	D1149	Pass	
Oxidative Induction Time	D3895	100 minutes	385 minutes
Hydraulic Conductivity	E96	1.0 x 10 ⁻¹² cm / sec	
Seam Shear Strength	D7747	90 lbs/in	97 lbs/in
Seam Peel Strength	D6636	20 lbs/in	36 lbs/in

A variety of standard widths and colors are available.

A One-Stop Shop. Cooley is the leading provider of a complete range of commercial and potable water-grade geomembranes—including CoolPro® reinforced polypropylene, CoolThane® polyurethane coated fabrics, and CoolShield® for high-temperature and extreme containment applications—to provide cost-competitive solutions for a wide, highly diverse range of applications.

The information contained herein or that is supplied by us, or on our behalf, is based upon data obtained through our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results obtained from the use thereof, or that any such use will not infringe upon any patent. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.



*For further information, please contact
Cooley Containment Solutions*

Cooley Group
350 Esten Avenue
Pawtucket, RI 02860, USA
Tel: 1.401.724.9000
Email: containment@cooleygroup.com
cooleygroup.com