

ENVIROFLEX® RPE

High-Strength Reinforced Flexible Polyethylene

Applications

Liners, Covers, and Baffle
Curtains | Water Containment |
Construction Enclosures | Primary
and Secondary Containment

Added Benefits

Encapsulated edge
High strength polyester scrim
Flexible polyethylene polymer
High chemical resistance
UV resistant

Available Colors

Black | White | Custom Colors

Available Width

Up to 196 in. | 5 m

Available Thicknesses

10 | 14 | 20 | 24 | 30 | 36 | 45 | 60 mils

Available in standard and extra-strength

• **EnviroFlex® RPE** is a high-performing blend of flexible polyethylene
• polymers engineered with high-strength reinforced scrims for superior
• dimensional stability and advanced puncture and tear strengths. Its
• flexibility allows for improved quality control as well as pre-fabrication
• —providing cost and time savings, and reducing the need to construct
• on the field. These key features safeguard from expansion and contraction,
• providing a smoother installation process and maintaining uniformity in the
• membrane throughout the life of the project. EnviroFlex RPE's optimized
• product design is reliable and cost-effective, and Cooley's history of
• proven performance ensures consistent quality, responsive customer
• service, and dependable technical support.

*For further information,
please contact Cooley
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EnviroFlex® RPE | 30 mils

TECHNICAL SPECIFICATIONS

EnviroFlex® RPE is manufactured with a factory-encapsulated edge and is available in rolls up to five meters wide, requiring less seaming. It is designed for a diverse array of applications including:

- Pad liners
- Pit liners
- Pond/tank liners and covers
- Construction enclosures
- Primary and secondary containment

Base Fabric	Standard	Metric
Base Fabric Weight	1.5 oz / yd ²	51 g / m ²
Fiber/Style	Polyester / Knit	

Coated Fabric	Standard	Metric
Total Weight (nominal)	30 oz / yd ²	1,017 g / m ²
Thickness (nominal)	30 mils	0.76 mm
Coating Type	PE	
Coating Distribution	50 / 50	
Sealing Properties	Thermal	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	220 / 175 lbs	979 / 778 N
Tensile Strength, 1" Strip (Warp / Fill)	D751B	110 / 85 lbs	489 / 378 N
Tear Strength, Tongue (Warp / Fill)	D751B	55 / 20 lbs	245 / 89 N
Tear Strength, Trapezoidal (Warp / Fill)	D1117	90 / 55 lbs	400 / 245 N
Puncture Resistance	D4883	75 lbs	334 N
Hydrostatic Resistance	D751	255 psi	1.75 MPa
Dimensional Stability (180°F / 1h)	D1204	< 1.5%	
Low Temp Limit	D2136	-85°F	-65°C
High Temp Limit	D1204	180°F	82°C

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.



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