

## All Polypropylenes are not equal.

**CoolPro®** combines Basell polypropylene resin based on the *Catalloy* process with Cooley proprietary technology and fabric to offer many benefits to engineers designing with geomembranes. **CoolPro®** does not contain 'fillers or extenders'. It has excellent ultra-violet (UV) resistance for outstanding weatherability in exposed geomembrane applications. Cooley geomembranes are available with written weathering warranty up to 20 years.

### Why use Cooley COOLPRO®?

The high performance of **CoolPro®** is a combination of a high strength polyester scrim, tough polypropylene polymer and a unique and proprietary manufacturing process. **CoolPro®** exhibits very high physical performance properties as shown in the 'Physical Properties' data sheets for the respective thickness.

**CoolPro®** has a high strength scrim that provides enhanced physical performance that exceeds those of our competitors and other geomembranes.

**CoolPro®** has:

- Excellent Chemical Resistance
- High Tensile Strength
- High Tear Strength
- High Puncture Resistance
- Excellent Dimensional Stability
- High Burst Strength
- Excellent Conformance and Lay Flat Characteristics (flexibility)

Characteristics (flexibility)

- Excellent Cold Crack Performance at Low Temperatures (exceeds -40°F)
- High Ultraviolet Resistance (up to 20 year weathering warranty)
- Excellent Seaming Characteristics (wide thermal window)
- High Peel and Shear Performance (seam welding)
- Can Be Installed in Relatively Low Ambient Temperatures

**CoolPro®** is available in standard thicknesses from 20 mils (0.50 mm) to 80 mils (2.0 mm). Non-standard thicknesses can also be provided up to 120 mils (3.0 mm). Standard widths are 78 inches (198 cm) and 150 inches (381 cm).

### Panel Sizes

**CoolPro®** provides the end-user with a liner product that can be supplied in panels up to half acre in size to expedite installation and minimize the amount of field seaming. These large panels can be supplied through our network of fabricators throughout the USA and abroad.

### Field Installation

**CoolPro®** can be prefabricated and delivered to the site in large custom sized panels to expedite installation. This method enables the area to be lined with the minimum of material and field seaming. **CoolPro®** is easily field seamed using hot air or hot wedge, eliminating the problems associated with solvent welding.

### Typical Installations

**CoolPro®** offers superior performance over other products for all aspects of lining lagoons, ponds or other impoundments, floating covers and similar containments. Cooley's high performance polyester scrim reinforced polypropylene provides the end-user with the optimum state-of-the-art liner material, which is also user friendly. **CoolPro®** complies with the strict requirements of the National Sanitation Foundation (NSF 61) for potable water applications, making it ideal for reservoirs, aquaculture, aquatic and hydroponic farming applications.

**CoolPro®** is currently in service throughout the world.

Chemical Resistance		
Chemical	Examples	CoolPro®
<b>Acids</b>	Hydrochloric acid, nitric acid, sulfuric acid	<b>Good</b>
<b>Bases</b>	Sodium hydroxide, ammonium hydroxide	<b>Good</b>
<b>Alcohols</b>	Methanol, ethanol, ethylene glycol	<b>Good</b>
<b>Heavy Metals</b>	Mercury, lead, cadmium	<b>Good</b>
<b>Salts</b>	Sodium chloride, copper sulfate, calcium carbonate	<b>Good</b>