



## Material

IntelliWrap™ TL is a general purpose non-reinforced PVC (polyvinyl chloride) membrane for use as a primary waterproofing membrane for below grade or sub surface applications. Common uses for IntelliWrap TL include tunnel-lining and water control layers, subsurface waterproofing applications and miscellaneous non-exposed UV water management applications.

As described IntelliWrap TL is suitable for non-UV exposed applications. When installed properly IntelliWrap TL provides a long lasting water resistant membrane solution for a variety of applications.

## Storage & Handling

IntelliWrap TL should be stored in a cool dry environment prior to installation. For installations that require field seaming please maintain application temperatures of 40°F or higher during installation. For application temperatures contact IMETCO prior to installation. For loose laid exterior containment and below grade applications refer to Intelliwrap TL 60 and 80 specifications for proper application. Utilize Intelliwrap TL-AD for temporary attachment of membranes to vertical and reverse horizontal application. Typical necessary rate of fasteners are 1 attachment fasteners for every 10 SF for vertical and 3 attachment fasteners for reverse horizontal every 10 SF. Seams should have 1 fastener for every 5 LF.

## Technical Specifications (All results meet/exceed the standard)

Property	Specification	Method
Thickness (in)	1.50 +/- 5%	ASTM D 374
Tensile Strength (psi)	MD ≥ 2200 TD ≥ 2200	ASTM D 638
Elongation (%)	MD ≥ 300 TD ≥ 300	ASTM D 638
Low Temperature Impact	Pass @ -20°F	ASTM D 1593
Dimensional Stability (% , 6 hrs @ 176°F)	≤ 2.0	ASTM D 1204
Tear Resistance (lbs/mil)	MD ≥ 0.228 TD ≥ 0.228	ASTM D 1004
Flammability	Self Extinguishing	ASTM D 568
<b>Water Solution Resistance (10% NaCl)</b>		
Tensile Strength	MD/TD +/- 20% max	ASTM D 638
Elongation	MD/TD +/- 20% max	ASTM D 638
Low Temperature Impact	Pass	ASTM D 1593
<b>Water Solution Resistance (Saturated Ca)</b>		
Tensile Strength	MD/TD +/- 20% max	ASTM D 638
Elongation	MD/TD +/- 20% max	ASTM D 638
Low Temperature Impact	Pass	ASTM D 1593
<b>Welded Seam Strength</b>		
Solvent Weld Shear Strength	Fail Beyond Seam	ASTM D 3163
Hot Air Weld Shear Strength	Fail Beyond Seam	

*This waterproof membrane will have a range of chemical resistance of PH 2 to 13.*