

# Ultra CRM™

## Product Overview



*Ultra CRM™ - Chemical Resistant Membrane - is a strong, 60-mil, post-applied membrane designed and tested to withstand elevated concentrations of soil, fluid and vapor contaminants when installed on below grade concrete or CMU structures; such as concrete foundation walls, tunnels, parking garages and related applications where chemical resistant waterproofing is critical.*



**Superior Barrier:** Provides a barrier that has been designed and tested to withstand elevated concentrations of contaminants typically found in construction sites which may be considered brownfield projects.



**Lasting Durability:** Tough 3-layer composite membrane - Technology that has stood the test of time.



**Crack Protection:** Underslab is thicker than most competitive products giving it stress-absorbing and elongation properties that maintain a watertight seal if cracks develop in the base material or the slab.



**Strong Mechanical Bond:** Our inner fibrous layer embeds itself into the cured concrete creating a very strong mechanical bond - ensures our waterproofing system will stay in place as the building and outside soil moves during the building's lifetime.



**Resistant to Water Migration:** An adhesive bond is created when heat from the concrete slab while curing, causes our compound to melt onto the concrete's positive side surface creating a continuous sealed floor.



**Jobsite Adaptability:** Flexible material that adapts to job site irregularities for ease of installation.



**Superior Joints:** Strong laps seams create a long lasting, water tight system - Outperforms the new AC 527 standard (ASTM 1876) by more than 150%.

Property	Test Method	Typical Value
Film Color		Silver
Membrane Thickness	ASTM D 1000	60 mils
Tensile Strength - Membrane	ASTM D 412 Modified Die C	1673 PSI
Elongation - Ultimate failure of Rubberized asphalt	ASTM D 412	600%
Tensile Strength - Film	ASTM D 882	7294 PSI
Permeance	ASTM E 96 Method B	0.022 Perms
Crack Cycling	ASTM C 836 Tested @ -15°F (-26°C)	No effect
Peel Adhesion	ASTM D 903	21.3 lbs./in. width CF
Lap Peel Adhesion	ASTM D 1876	12.5 lbs./in. width
Low Temperature Flexibility (-15°F)	ASTM D 1970 Modified	Pass
Pliability	ASTM D 146 180° bend over 1" mandrel at -25°F (-32°C)	No effect
Puncture Resistance - Membrane	ASTM E 154	188.9 lbs.
Resistance to Hydrostatic head	ASTM D 5385	231 ft.
Exposure to Fungi in Soil	GSA-PBS 07115 (16 weeks)	No effect
Resistance to Permeance by Methane Gas	ASTM D 1434 tested using 99.99% purity	$< 5 \times 10^{-16}$ mol/m <sup>2</sup> •s•Pa
Water Absorption	ASTM D 570	0.1%

## Companion Products



**Detail Tape**



**CR™ Seam Tape**



**Ultra CRM™**



**CR™ Liquid Membrane**



**CR™ Sealant**



**650 LT Liquid Membrane**



**California Sealant**



**LM-95**



**Detail Sealant PW™**



**Polyflow® 15**



**Polyflow® 18**

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