

### Technical Product Information

#### PRODUCT DESCRIPTION

SEMCO's Liquid Membrane™ is a single component waterproofing and anti-fracture membrane. The SEMCO Liquid Membrane™ is a self-contained elastomeric fluid suspended in a copolymer adhesive, this revolutionary blend enables easy application while providing excellent bridging, and waterproofing. When combined with SEMCO's X-Bond Seamless Stone, two-stage waterproofing is achieved, enabling single source protection.

<p><b>WATERPROOFING</b></p> <p>EXCEEDS ANSI 118.10 WATERPROOFING STANDARDS</p> <p>SEMCO LIQUID MEMBRANE™</p> <p>WITHSTANDS UP TO 19 PSI OF HYDROSTATIC PRESSURE</p> <p>EXISTING SUBSTRATE</p>	<p><b>ELONGATION</b></p> <p>SEMCO LIQUID MEMBRANE™</p> <p>UP TO 1,300% ELONGATION WITHOUT BREAKING</p>
<p><b>ACTIVE ADHESION</b></p> <p>INTEGRATED CHEMICAL ADHESION ENABLES MECHANICAL CROSS-LINKING TO APPLIED SURFACES* 400+ PSI</p> <p>SEMCO LIQUID MEMBRANE™</p> <p>WOOD CONCRETE</p> <p>EXISTING SUBSTRATE</p>	<p><b>CRACK BRIDGING</b></p> <p>IT WILL BRIDGE CRACK UP TO 1/4" WIDE WITHOUT ADDITIONAL REINFORCEMENT</p> <p>SEMCO LIQUID MEMBRANE™</p> <p>X-BOND MIXTURE*</p> <p>EXISTING SUBSTRATE</p>

#### SUBSTRATES

- Concrete
- Plywood
- Stone
- Exterior/Interior cladding
- Residential, industrial, and commercial

#### FEATURES / BENEFITS

- Waterproofing: interior, exterior and below grade
- Crack bridging
- Stabilization
- Anti-fracture

#### APPLICATION AND SPECIFICATIONS

Application	Apply with roller or paint brush (2 coats minimum)
Application environment	Apply at temperatures from 50°F to 90°F
Drying time	25 to 30 minutes at 72°F
Cure time	50% in 72 Hours, 100% in 7 Days
Color	Orange (Special Order: White Haze)
Chemical type	Latex - crosslink hybrid
Clean up	Water
Shelf life	2 years
Water test	In 35 minutes after application
Packaging (base and color activator)	1 gal., 5 gal. and 55 gal.

#### COVERAGE (sq. ft. per gallon of mixture, 2 coats @ 15 mil per coat)

Open pore substrates	100-150
Closed pore substrates	200-250
X-Bond Scratch Coat	150-200

#### TEST RESULTS

ANSI 118.10 – Breaking Strength (ASTM D751, Procedure B)	Pass
ANSI 118.10 – Dimensional Stability (ASTM D1204)	Pass
ANSI 118.10 – 7-Day Shear Strength (ASTM C482-9.8)	173 PSI
ANSI 118.10 – 7-Day Water Immersion Shear Strength	132 PSI
ANSI 118.10 – 4-Week Shear Strength	234 PSI
ASTM E96 – Water Vapor Transmission	1.52 (g/hr-m2)
ASTM E96 – Water Vapor Transmission: Permeability	0.135 (perm-in)
ISO 37 – Tensile Strength (ASTM D412): Maximum Stress	453 PSI
ISO 37 – Tensile Strength (ASTM D412): Ultimate Elongation	321%
ASTM D42370 – Tensile Strength: Maximum Stress	184 PSI
ASTM D42370 – Tensile Strength: Ultimate Elongation	1,300%

#### WARRANTY 5 year standard limited warranty, 10 year for non-traffic surfaces

##### PRECAUTIONS

Always test a small area first to determine ease of application and desired results. When performing a flood test remove all excess water if test is performed prior to 100% curing. Not for use on humans or animals. Be sure to read container label and Safety Data Sheet for additional handling requirements before using this product.

##### LIMITED WARRANTY NOTICE

SEMCO Modern Seamless Surface warrants that its products will meet their specifications. There are no other warranties, expressed or implied of merchantability or fitness of use. The only obligation of the seller-manufacturer shall be to replace material found to be defective. SEMCO Modern Seamless Surface will not be liable for labor or consequential damage of any kind. The information contained herein is, to the best of our knowledge and belief, true and accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. All chemicals may present unknown health hazards and should be used with caution.

