

LIQUID MEMBRANE™

Waterproof Adhesive

Technical Product Information

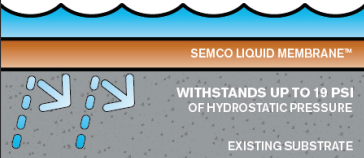
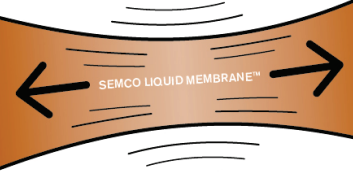
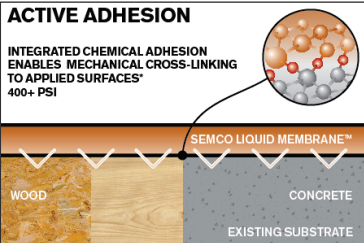
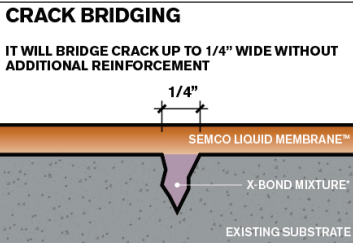
SEMCO

modern seamless surface

SURFACE ENGINEERING COMPANY

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 Microcement, two-stage waterproofing is achieved, enabling single source protection.

<p>WATERPROOFING</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>ELONGATION</p>  <p>SEMCO LIQUID MEMBRANE™</p> <p>UP TO 1,300% ELONGATION WITHOUT BREAKING</p>
<p>ACTIVE ADHESION</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>CRACK BRIDGING</p> <p>IT WILL BRIDGE CRACK UP TO 1/4" WIDE WITHOUT ADDITIONAL REINFORCEMENT</p>  <p>1/4"</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 10°C to 33°C
Drying time	25 to 30 minutes at 23°C
Cure time	50% in 72 Hours, 100% in 7 Days
Color	Orange (other colours available upon request)
Chemical type	Latex - crosslink hybrid
Clean up	Water
Shelf life	2 years
Water test	In 35 minutes after application
Packaging	5 gal. (18.9L) bucket

COVERAGE (approx. 50m² per 5 gal. (18.9L) bucket, with 2 coats - coverage may vary depending on porosity of substrate)

Open pore substrates	25-35 m ² per 5 gal. (18.9L) bucket
Closed pore substrates	47-58 m ² per 5 gal. (18.9L) bucket
X-Bond Scratch Coat	35-47 m ² per 5 gal. (18.9L) bucket

TEST RESULTS

ANSI 118.10 Pt Breaking Strength (ASTM D751, Procedure B)	Pass
ANSI 118.10 Pt Dimensional Stability (ASTM D1204)	Pass
ANSI 118.10 Pt 7-Day Shear Strength (ASTM C482-9.8)	173 PSI
ANSI 118.10 Pt 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-m ²)
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

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

Seamless Overlays 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. Seamless Overlays will not be liable for labor or consequential damage of any kind if products were not installed in accordance with current installation guides. 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.



Seamless Overlays Pty Ltd

Exclusive suppliers of X-Bond & Quartz Carpet™

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