

DESCRIPTION

Elevation™ L1 Seamless Waterproofing Membrane is a primerless, low modulus, fast, water-curable, high-performance interior or exterior elastic waterproofing membrane adhesive and coating for balconies, deck coatings, roofing and waterproofing under Flexi-Ply, below grade, exposed and concealed applications. L1 Seamless provides a long lasting, weather tight seal to a variety of common building substrates.



- Seamless; no breakdown or penetration of seams
- Economical; Labor Saving
- Excellent adhesion
- Primerless
- Non-Gassing
- Fast Curing
- Highly Flexible over extreme temperatures
- No Odor
- Resists Dirt
- No Mixing
- Meets ASTM C-836 & E-96 criteria
- Meets SCAQMD VOC Requirements

COMPLIANCES

TECHNICAL DATA

Hardness Shore A, ASTM C-661	30 ± 5 Shore A
Tear Resistance, Die C, ASTM D-1002	150 ± 10 psi 21 ± 3.5 kNm
Elongation at Break, ASTM D-412	300-400% ± 50 psi
Ultimate Elongation, ASTM D-412	700 ± 50%
Specific Gravity	1.60 (13.113.5 lbs /gal.) depending on color
Total Solids by Weight, ASTM D-236	100%
Total Solids by Volume, ASTM D-2697	100%
Viscosity, at 80°F (27°C)	40,00cps Brookfield RVFTF spindle 4 RPM, 73°F
Service Temperature	-25°F to 200°F -31.7°C to 93.3°C
Meets the Criteria of ASTM C-836	
Meets the Criteria of ASTM E-96	

- *ASTM C-920, Type S, Grade S, Class 25, use T and M
- *Federal Specification TT-S-00230-C Type I, Class A
- *Corps of Engineers CRD-C-541, Type I, Class A
- *Canadian Standards Board CAN 19, 13-M82

COLOR

Limestone, Grey.

PACKAGING

Container Sizes:

2 gallon pails

INSTALLATION *(Continues)*

SURFACE PREPARATION

All surfaces should be clean and dry with no contaminants that might interfere with the adhesion of the L1 to the substrate, and a long lasting weatherproof seal.

INSTALLATION (Continued)

INSTALLATION

L1 is a one-component, ready-to-use material, or water curable when mixed with 4-5 ounces of water per/gal. It is recommended that a quality notched, trowel, or squeegee be used to ensure ease of application and proper mil thickness. Apply when temperatures are above 40 degrees F. When all the proper surface preparation is complete, apply L1 adhesive or coating by gridding the application according to the predetermined mil thickness* Do not use L1 in temperatures below 30 degrees F. L1 can be used in vertical or overhead working conditions. The L1 may be water cured for heavy application above 20 mils, or fast curing or applications where weather conditions may change rapidly and fast curing is necessary.

- Metal:** Prepare all metal in a manner to ensure maximum adhesion. Remove all rust, scale and residue by xylene or acetone wipe. Remove films, coatings and oils with an appropriate solvent such as alcohol.
**It is recommended that Kynar-coated substrates be tested for adhesion prior to starting the project. Please contact Technical Services for specific application guidelines and recommendations.*
- Concrete:** New concrete and masonry substrates shall be cured 14 days prior to the application of the sealant or coating. Remove any contamination by mechanical abrasion, sand blasting or power washing. Where Flexi-ply is being applied over the L1, concrete surfaces may be coated as early as 3 days with consent from PSI. Water cure L1 when used as a base coat for deck coating. L1 may be left exposed indefinitely and is U.V. Stable.
- Joints and Cracks:** Joints and cracks may be filled flush with L1. Reinforcement of moving cracks is recommended with Bamilex tape or Super Seal Tape, when Flexi-Ply is not being utilized over the top of the L1.
- Wood:** Wood shall be clean, sound and dry prior to sealant application. Treated wood shall be allowed to weather for 6 months. Coatings and paint shall be removed (or tested for compatibility) to ensure a proper bond.

CURING

L1 when mixed with water cures to a firm dense skin in approximately 2 hours at Room Temperature and 50% RH. Faster cure may occur in high humidity combined with higher temperatures. Likewise, slower cure may occur in lower humidity and lower temperatures. The L1 coating and sealant when used without water, is slower cure from one to two days. L1 should be primed if it is recoated with a urethane, after 3 days.

EQUIPMENT CLEANUP

L1 typically skins over within 15-45 minutes and cures through in 2-6 hours, depending upon temperature, humidity and thickness. Lower temperatures and humidity prolong cure time. Higher temperatures accelerate cure time. Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE

Store in original unopened containers in a cool, dry area. Protect unopened containers from heat and direct sunlight. Elevated temperatures will reduce shelf life.

SHELF LIFE

1 Year of Date of Manufacture when stored in normal environments.

LIMITATIONS

L1 should not be used in direct contact with single component moisture cure urethane coatings without use of an epoxy primer or a sand broadcast over the wet sealant. Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eyes, immediately flush with water. Call a physician.

KEEP OUT OF REACH OF CHILDREN.

