

## ARMMCX

# ARMOR LIQUID MEMBRANE COATING

### PRODUCT DESCRIPTION

Single component waterproofing and anti-fracture membrane. The product is a self-contained elastomeric fluid suspended in a copolymer adhesive. Can be used to coat and seal virtually any surface. This coating is suitable for all foot traffic applications. This revolutionary blend enables easy application while providing excellent bridging, crack and waterproofing.

### SUBSTRATES

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

### FEATURES / BENEFITS

Waterproofing: Interior, exterior, and below grade, crack bridging, stabilization, Anti-fracture

### APPLICATION AND SPECIFICATIONS

APPLICATION	Apply with roller or paint brush (2 coat minimum)
APPLICATION ENVIRONMENT	Apply at temperatures from 50°F to 90°F
DRYING TIME	25 to 30 minutes at 72°F
CURE TIME	100% in 3 Days
COLOR	8 Colors. Contact for ArmorPoxy for custom colors
CHEMICAL TYPE	Latex - crosslink hybrid
CLEAN UP	Water
SHELF LIFE	2 years (unopened cans)
WATER TEST	In 35 minutes after application
PACKAGING (base and color activator)	1 gal., 5 gal. and 55 gal



Crack Prevention



Chemical Adhesion

### COVERAGE (sq.ft per gallon of mixture, 2 coats @ 20 mils per coat)

OPEN/CLOSED PORE SUBSTRATES	150-250
YIELD PER GALLON MAY VARY DEPENDING ON SUBSTRATE AND FLOOR POROSITY	

### 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%	1300%



Water proofing



Green Materials

### 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

ArmorPoxy 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. ArmorPoxy 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.

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**PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE APPLICATION BEGINS. FAILURE TO DO SO CAN RESULT IN PRODUCT FAILURE.**

### PRODUCT STORAGE

Store product at normal room temperature before using. Continuous storage should be between 60 and 90 degrees F.

### SURFACE PREPARATION

#### FRACTURES UP TO 1/16 INCH CRACKS

- Apply minimum 2 coats of Armor Membrane Coating with a 3/8" roller to achieve a thickness of at least 30 mil to retard future reoccurrence of crack. To eliminate crack shadowing prefill cracks with cement based crack repair. Wait 30 minutes at 70F before applying next coat.

#### CRACKS BETWEEN 1/16 - 1/4 INCH

- Clean out crack or damage to eliminate any loose/flaking material. Fill crack with 'Sikaflex 1a' caulk or Armorpoxy Flexible Joint Filler. Once cured roll Membrane over crack with 4" roller. Allow to dry. To add additional crack protection after filling crack roll Membrane over crack with 4" wide roller, then lay in Armorpoxy Fabric Reinforcement, then roll over again with Membrane to embed fabric into coating layers. Wait until cured before coating the entire area.

#### CRACKS OR OPENINGS EXCEEDING 1/4 INCH

- Clean out crack or damage to eliminate any loose/flaking material. Mix 1 part Membrane with approximately 7 parts sand to make a 'slurry'. Roll crack with 4" roller to wet interior with Membrane. Use brush if necessary. Fill crack with membrane/sand mixture and trowel smooth. Once cured, roll over crack area with Membrane and then embed in Armorpoxy Fabric Reinforcement, then roll over again to embed fabric into liquid. Allow to cure, then coat over entire area with Membrane coats. Multiple layers of fabric/Membrane can be used if necessary (additional fabric layers must overlap by 2").

### APPLICATION

#### WITH ROLLER

- Sweep or vacuum debris off of surface
- Use a 1/2 nap " roller. Allow any pre-treated areas to dry to the touch. Apply a THIN coat of Membrane with brush or roller over substrate including pre-treated areas. **Ensure to apply coating thinly otherwise the membrane may remain tacky and a remediation process will need to be followed.** Apply second coat of Membrane over the first coat. Allow to dry to the touch, approximately 1-2 hours at 70°F (21°C) and 50% RH before recoating. When last coat has dried to the touch, inspect final surface for pinholes, voids, thin spots or other defects. Surface may be topcoated with Armor Shield OR membrane coat for additional protection. A nonskid skid additive may be needed to increase texture and help slip mitigation. Additional coats may be required if using non skid additive.

#### WITH SPRAYER

- Sweep debris off of surface
- The sprayer being used for the application of Membrane should be capable of producing a minimum of 2,500 psi (17.2), maximum of 3,300 psi (22.8 MPa) with a flow rate of 0.95 to 1.6 GPM (3.6 to 6.0 LPM) using a 0.521 or a 0.631 reversible tip. Keep the unit filled with Membrane™ to ensure continuous application of liquid. The hose length should not exceed 100' (30 m) in length and 3/8" (9 mm) in diameter. Required thickness is 30 mil

### NOTES

- Safety Data Sheets for Armor Membrane Coating are available upon request

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