

R-LASTIC

Waterproofing Elastomeric Coating

PRODUCT NAME: R-LASTIC

DESCRIPTION: R-Lastic is a waterbased elastomeric coating formulated to provide a waterproof membrane over concrete and masonry. R-Lastic is extremely durable with excellent adhesion, elongation, tensile strength and waterproofing properties. R-Lastic is extremely versatile. It may be used strictly as a waterproof membrane, it may be bonded to by VBM bonding mortars or thinsets, and it may be used as a bonding adhesive for tile, stone, concrete, masonry and Styrofoam shapes. R-Lastic meets all voc requirements and is safer and easy to handle and apply.

USES: A waterproof, elastomeric coating for above or below grade concrete and masonry. Priming applications are on retaining walls, basement walls, fountains and ponds. It is used as a flexible waterproof membrane that also provides some crack isolation properties to floors and walls prior to receiving bonded tile, stone and brick or similar veneers and pavers.

R-Lastic may also be used as a bonding adhesive for concrete, masonry, stone, tile and styrofoam shapes.

ADVANTAGES:

- Excellent waterproofing properties
- Long life expectancy
- Water based-safe, easy application
- Elastomeric-bridges 1/16" cracks
- Strong adhesive properties
- Use in fountains, ponds, water retaining structures
- May be bonded to
- Versatile

COVERAGE: A minimum thickness of 1/16" is required in a minimum of 2 coats. Coverage is approx. 25 sq. ft. per gallon to achieve this minimum coverage.

TECHNICAL DATA: Properties of the wet coating:

Form:	Thixotropic liquid
Wt. per gallon	9.2 ± lbs. per gallon
Base:	Water based - SBR
Color:	Orange
PH:	8.5-9.5
Clean up:	Water

The R-Lastic formula has been tested and meets the criteria of ANSI 118.10 –“ For Load Bearing, Bonded, Waterproof Membrane For Thin Set Ceramic Tile And Dimension Stone Installation.” And ANSI 136.1 as “An Organic Adhesive For The Installation Of Ceramic Tile.”

Typical physical properties of the cured R-Lastic membrane:

Waterproofing: Pass
(A.S.T.M. D-751 B) Hydrostatic resistance

Elongation: 562%
(A.S.T.M. D-638) 21 day dry

Adhesion: Cementitious Board:
(Swift Pull Test) 41 psi Substrate Failure
7 day dry
156 psi Substrate Failure
7 day dry/ 7 day wet

Thinset to R-Lastic Membrane
Tile applied with polymer
thinset, tile failure 395 psi

Plywood:
55 psi substrate failure
7 day dry
89 psi substrate failure
7 day dry/7 day wet

Tensile strength: 562 psi
7 day dry/21 day wet

Permability: .013 perm/in
(A.S.T.M. E-96)

Water Vapor Trans: .085
(A.S.T.M. E-96)

Crack Bridging: @77° F no cracks
(A.S.T.M. C 836) @ 0° F no cracks

Shear Strength: R-Lastic 194 psi
(ANSI 118.10) @100 day water immersion
required > 50 psi

Fungus Resistance: no growth
(ANSI 118.10) passes

Breaking Strength: 401 psi
(ANSI 118.10) (required - > 170 psi)

APPLICATION: Surface Preparation - All surfaces must be clean, free of any dust, dirt, oil, loose material or any coatings, curing agents etc. which may hinder bonding. All cracks and defects must be repaired prior to application. The substrate should not be excessively wet or wet from hydrostatic pressure. Check adhesion to various substrates by applying the product to a small sample area before starting any job. Dampen the substrate just prior to application-no standing water.

Coating - R-Lastic should not be applied when rain, freezing, extreme heat or cold may effect the membrane prior to cure. R-Lastic may be applied by brush roller or airless spray (compressed air supply pressure of 800 psi, compression ratio of 28:1, tip size of .025" and a fan of 8"). The thickness of the dried membrane depends on the application requirements. A minimum dried coating thickness of 1/16" is needed to provide a vapor barrier. This should be applied in a minimum of 2 coats of 1/32" each. Coverage rate for the required thickness is approximately 25-28 square feet per gallon (3 1/2-4 gal. per 100 sq. ft.). When applying 2 coats allow the first coat to dry to the touch (approx. 1 hour @ 70°F) before applying the 2nd coat. It is recommended that the 2nd coat be applied within 24 hours after application of the 1st coat. When applying with a reinforcing mat coverage rates may vary. Clean up is with water prior to curing.

PACKAGING AND HANDLING: R-Lastic is packaged in 1 gallon, 5 gallon and 55 gallon containers. Protect from freezing. Recommended storage is at 72°F (22°C) out of direct sunlight.

LIMITATIONS:

- Protect from freezing.
- Do not apply in extreme heat, cold or wind.
- Do not apply over expansion or seismic joints.
- Must be applied a minimum of 1/16" thick.
- Proper substrate preparation is required.
- Minimum of 2 coats required.

The information and recommendations made here in are based on our own research and the research of others. All information is believed to be accurate. However purchasers should make their own test to determine the suitability of product for their particular application. Our only warranty shall be that of replacing the product due to manufacturing defects.

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