



TERA-GEM III Revocoat Latex #1 Additive

PRODUCT DESCRIPTION

Revocoat Latex #1 Additive is a water emulsion of a specialty thermo-plastic polymer modified for use in Portland Cement compositions. This modified Latex results in fast surface set, increased physical properties and improved adhesion to old concrete, brick, and other surfaces. Revocoat Latex #1 Additive retains its flexural and tensile properties in environments such as UV Light, dilute chemicals, and water.

Must wait 7 days before epoxy can be installed over this product.

PHYSICAL PROPERTIES

Appearance	White, Milky Liquid
Solids Content	48%
pH	9.5 – 10
Specific Gravity	1.059
Minimum Film Temperature	10 – 12 degrees C
Freeze-Thaw Stability	5 cycles

Physical Strength Properties of Portland Cement Mortars with
28 Day Air Cure

Tensile Strength	530 psi
Compressive Strength	5450 psi
Flexural Strength	1355 psi
Shear Bond Adhesion	550 (C) psi (2)
Impact Strength	12 inch/lbs.
Abrasion Resistance	1.70 % weight loss (3)

Uses

As an add mix for underlayment, mortar, and grout, industrial flooring overlay, patching, terrazzo flooring and pre-cast architectural panels.

Surface Preparation

Surfaces that are to receive Revocoat Latex #1 must be structurally sound and clean, free from loose material, dust, dirt, grease, oil, wax, loose paint, mildew, rust, efflorescence, laitance or any foreign material. Surface preparation must be by mechanical grinding, sandblasting, or high pressure water blasting. Glossy painted surfaces must be sanded.

DO NOT APPLY over paints or materials that are soluble in water. Curing and form release compounds applied on surfaces to receive cementitious topping must be compatible with Latex #1 or they must be removed. Latex #1 must be applied over damp surfaces (eliminate all water puddles). DO NOT APPLY where hydrostatic moisture pressure is present in the substrate.

Applications

Stir thoroughly before using. Do not shake or use mechanical mixer. Prime the areas to be coated with a mixture of 1 part Latex #1 and 1 part water. Coverage - 200 sq. ft. per gallon of mix (no puddles of primer) - use a stiff broom or brush to apply primer. Concrete Topping - make sure entire area is primed and still tacky.

Mixing for Thin Overlayment

All materials shall be mixed as follows:

Add to a running mechanical mixer in the following order:

Latex #1 - 1 gallon

Water - 1 gallon (Add water to obtain desired slump)

16/30 Cement - 1 bag

The total mixing time should not exceed 5 minutes

Mixing for Thick Pours

Withhold 5 gals (41.5 lbs.) of water per cubic yard of concrete at mixing plant.

Add 5 gals (42.3 lbs.) of Latex #1 per cubic yard of concrete at jobsite and mix 4-5 minutes.

Add water to obtain desired slump.

Latex #1 mixing can be done in a portable concrete mixer, concrete truck mixer, etc.

Place the Latex Concrete over the prime coat at the required thickness, strike off and trowel to the desired finish - over troweling should be avoided.

Follow standard industry practices for curing topping but do not cure using standing water. Moving joints in topping should duplicate moving joints in substrate.

Latex concrete floors may be opened to foot traffic after 24 hours; light traffic after 2 - 4 days and heavy traffic after 3 - 4 days.

To do deep pours in excess of 1/2" you should add 3/8" pea gravel to the 16/30 mix. (Approx. 50 lbs. to one bag of 16/30)

CLEAN UP: Soap and water

HANDLING: Review MSDS

PACKAGING: 1 gallons, 5 gallons and 55 gallon containers

STORAGE LIFE: Approximately 12 months when stored in the original, unopened containers at a temp below 80 degrees F, protect from freezing.

NOTES

The following information is available online at www.teralite.com:

- Material Safety Data

The technical data furnished is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. We suggest that the user evaluate these recommendations and suggestions in conjunction with their specific application. Tera-Lite, Inc. / Revolan Systems warrant its products to be free from manufacturing defects conforming to our most recent material specifications. In the event of liability, we will be limited to the replacement of material at the material value only and at the sole discretion of Tera-Lite Inc. / Revolan Systems. We assume no responsibility for coverage, suitability of application, performance, or injuries resulting from use.

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