Hi-Tek Polymers, Inc. Elgin, Il 60123

Hi-Tek Polymers 301T-Epoxy EPOXY Primer

Description: Hi-Tek Polymers 301 EPOXY Primer is a 100% solid, two component epoxy primer used under epoxy terrazzo applications and as part of surface preparation of concrete and masonry surfaces. It is also used under general purpose decorative aggregate flooring systems. Hi-Tek Polymers 301 Epoxy Primer provides excellent compressive strength and abrasion resistance.

Advantage:

• Provides excellent wetting properties and ease of application
• High compressive and tensile strength
• Excellent Abrasion resistant
• Available with an antimicrobial agent

Concrete Surface Preparation:

1. Proper substrate preparation is required. Surface must be dry and free of contaminants
2. Concrete shall have an efficient moisture/vapor barrier (minimum 15 mls thickness)
3. Surface shall have acceptable concrete profile per CSP3-CSP5 guide line.
4. Concrete should have a minimum of 28 days cure time.

Product Data:

Color: Gray
Mix Ratio: 2:1
Light traffic: 24 hours minimum
Cure Time: 6-8 hours Final Cure: 24 Hours Full Cure: 7 days
Volume Solids: 100% solid
Weight Solids: 97% ± 2%, mixed
VOC (EPA Method 24) : <50 g/L mixed; 0.41 lb./gal
Elongation: ASTM C-638 result----->10%
Tensile Strength: ASTM C-790 result-------3500 psi minimum
Shrinkage: ASTM C-883 result----Passes
Compressive Strength ASTM D-695 result ----10,000 psi

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Application Instructions:

Following proper surface preparation and with no standing water present on the surface apply Hi-Tek Polymers 301 Epoxy Primer at a rate of 250 to 300 square feet per blended gallons. Apply with brush roller or squeegee and avoid puddling.

Limitations:

• During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 50ºF (10ºC). Substrate temperature must be at least 5ºF (3ºC) above the dew point (for lower temperature installation contact General Polymers Technical Service Department).
• Slab on grade requires vapor/moisture barrier.
• Substrate must be structurally sound, dry and free of bond inhibiting contaminants.
• Used as a binder / grout resin, or primer only, not to be used as a topcoat.

Surface Preparation:

An application of non-breathing surface over concrete is vulnerable to high moisture vapor emissions (MVE). This is typically measured with an Anhydrous Calcium Chloride test kit meeting ASTM F-1869 where results are reported in pounds of water per 1,000 square feet per 24 hours. The Rubber Flooring Manufacturers Association (RFMA) has established a “safe” limit of 3 pounds or less. The most current test to evaluate concrete is ASTM F-2170. Results greater than 80% relative humidity in the concrete requires special treatment. Primer is required.

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