

Description:

Terroxy® Primer, composed of 100% solids, is a moisture insensitive epoxy primer designed for concrete, wood and masonry surface application. Terroxy® Primer is compatible with Terroxy® Iso-Crack Epoxy Membrane and Terroxy® Epoxy Matrix and should be installed prior to these products.

Terroxy® Primer provides excellent filling and sealing of concrete. This is especially important when applying thin-set epoxy terrazzo to concrete or cinder block walls for wainscot, column and base applications.

Terroxy® Primer's moisture insensitivity characteristics allow Terroxy® Primer to be applied to damp concrete after proper surface preparation. In addition, the low modulus of elasticity and stress relieving properties of Terroxy® Primer make it ideal for use as a binder for epoxy mortar systems and for patching and grouting applications.

Product Benefits:

- Promotes adhesion, conforms to ASTM C-881 properties.
- Penetrates and seals excessive moisture emitting concrete.
- Moisture insensitive.
- Low modulus, helping to relieve stress of substrate.
- Low viscosity, providing excellent wetting properties and easy application.
- Environmentally friendly, zero VOC content.

Coverage:

Typical coverage is approximately 200-250 square feet per blended gallon (18.6-23.2 sqm per blended 3.8 liters). Coverage will vary depending on surface profile and porosity.

Concrete Substrate Preparation:

1. Concrete slab shall have an efficient moisture/vapor barrier (suggested minimum: 15 mils thickness = .4 mm) directly under the concrete slab.
2. Concrete shall have a minimum cure time of 28 days. No curing agents should be used.
3. Concrete shall be level with a minimum variation from level of 1/4" in 10 feet (6.4 mm in 3.1 m).
4. Concrete shall receive a steel trowel finish.
5. Concrete surface shall be prepared mechanically by shot blasting. Surface preparation results should achieve a CSP3 - CSP5 profile according to ICRI Guideline No. 03732.

Installation Instructions:

Mixing

Product and air temperature must be a minimum of 60°F (15.5°C). Mix two parts Part A (Resin) and one part Part B (Hardener) for three minutes with a low speed electric drill mixing paddle. Avoid whipping air into the product. If thinning is desired, add no more than one quart (.9 liters) of xylene per gallon (3.8 liters) of primer at the time of mixing. Mix only that amount of material that can be used in 40 minutes.

Application

Remove any standing water from concrete surface. Spread Terroxy® Primer at a rate of 200-250 square feet per blended gallon (18.6-23.2 sqm per blended 3.8 liters). Apply uniformly to the surface while trying to eliminate puddling. Apply with brush roller or squeegee.

Cure Time

Initial Cure: 6-8 hours; Final Cure: 24 hours

Additional Considerations:

Do not use in temperatures below 60°F. (15.5°C) Do not use where hydrostatic pressure conditions exist or where moisture vapor emissions exceed 3 lbs per 1,000 square feet (1.4 kg per 92.9 sqm).

Product Data Sheet

Product Benefits:

- Promotes Adhesion
- Penetrates & Seals
- Moisture Insensitive

Technical Data:

| Property | Test Method | Typical Results |
|--------------------------------------|---|----------------------------------|
| Elongation | ASTM C-638 | > 10% |
| Tensile Strength | ASTM C-790 | 3,500 psi minimum |
| | | 24.10 MPa |
| Shrinkage | ASTM C-883 | Passes |
| Thermal Compatibility | ASTM C-884 | Passes |
| Water Absorption (24 hour immersion) | ASTM D-670-63 | 0.36% |
| Compressive Strength (neat resin) | ASTM D-695 | 10,000 psi minimum |
| | | 68.94 MPa |
| Bond Strength | ASTM C-1583-04 / ACI COMM 403, Bulletin 59-43 (pages 1139-1141) | 300 psi (100% concrete failure) |
| | | 2.07 MPa (100% concrete failure) |

Technical Service:

Terrazzo & Marble Supply Companies, distributor of Terroxy® Resin Systems, provides services and consultations on material selection, specifications and troubleshooting concerning proper thin-set epoxy terrazzo installation. Contact our Terrazzo Sales Desk at 800.7.MARBLE or T&M Technical Department at 866.TERROXY for questions or assistance.

Precautions:

Refer to cautionary information printed on the product container. For medical emergencies, contact Chemtrec, the Chemical Emergency Transportation Center, at 800.424.9300.

Warranty:

Terrazzo & Marble Supply Companies (T&M) warrants for a period of one (1) year that Terroxy® Primer will be free of manufacturing defects and will conform to published specification when handled, stored, mixed and applied in accordance with recommendations of T&M. If Terroxy® Primer fails to meet this warranty; the liability of T&M will be limited to replacement of any non-conforming Terroxy® Primer only if notice of such non-conformity is given to T&M within one (1) year of delivery of materials. T&M may, according to its discretion, refund the price received by T&M in lieu of replacing the Terroxy® Primer. No customer, distributor or representative of T&M is authorized to change or modify the published specification of this warranty in any way. No one is authorized to make oral warranties on behalf of T&M. In order to obtain replacement or refund, the customer must provide written notice containing full details of the non-conformity. T&M reserves the right to inspect the non-conforming Terroxy® Primer prior to replacement. Except for the expressed warranty stated above, there is no other warranties, expressed or implied, including without limitation, implied warranty of merchantability or fitness for purpose. T&M's obligation shall not extend beyond the obligations expressly undertaken above and T&M shall have no liability or responsibility to the purchaser or any third party for any loss, cost, expense, damage or liability, whether direct or indirect, or for incidental or consequential damages.

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