

## Primer

### **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, Terroxy Epoxy Matrix and Terroxy Industrial Flooring Products 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 and industrial flooring to concrete or cinder block walls for wainscot, column and base applications.

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.
- 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 ft<sup>2</sup> per blended gallon (18.6-23.2 m<sup>2</sup> 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. Allow substrate to cure a minimum of 28 days.
3. Sub-floor should be flat (maximum variation not to exceed 1/4" in 10 feet = 6.4 mm in 3.1 m). Surface should be checked for soundness and any "hollow" areas removed.
4. Test concrete substrates according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes). Do not install terrazzo or terrazzo accessories until test results are less than 80% RH. If 80% RH is not met, consult T&M for additional drying or negative side moisture mitigation methods. (See Terroxy Moisture Vapor Treatment or IC Moisture Guard PDS)
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.
6. A light steel trowel is needed to provide an acceptable surface with minimum laitance.
7. The use of concrete curing agents may prevent bonding. If curing agent present, surface must be shot blasted to remove all contaminates from the floor.

For Terroxy Industrial Flooring Systems refer to Industrial Flooring Concrete Surface Preparation(IFCSP).

## **Installation Instructions**

### **Mixing:**

During installation and initial cure cycle, ambient air and slab temperature shall be maintained as per Terroxy Resin Systems' recommendations, minimum 60°F and max of 90°F (15.5°C - 32.2°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.

### Applications:

Remove any standing water from concrete surface. Spread Terroxy Primer at a rate of 200-250 ft<sup>2</sup> 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

### Technical Data:

Property	Method	Typical Results
Elongation	ASTM D-638	>10%
Tensile Strength	ASTM D-638	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	ASTM D-695, Specimen B Cylinder	12,000 psi minimum
		82.70 MPa
Bond Strength	ASTM C1583-04 / ACI COMM 403, Bulletin 59-43 (pages 1139-1141)	350 psi minimum (100% concrete failure)
		2.41 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 708.385.6633** 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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