

Terroxy® Moisture Vapor Treatment

Description:

When used in conjunction with Terroxy® Primer, Terroxy® Moisture Vapor Treatment is the ideal treatment for cured concrete that exhibits excessive moisture vapor transmission. Terroxy® Moisture Vapor Treatment is a water-based epoxy primer designed specifically for damp or green concrete.

Terroxy® Moisture Vapor Treatment is compatible with Terroxy® Primer, Terroxy® Iso-Crack Epoxy Membrane and Terroxy® Epoxy Matrix.

Product Benefits:

- Allows for prevention and elimination of moisture problems facing your terrazzo flooring system
- Tolerates Moisture Vapor Transmission Rates (MVT) up to 10 pounds per 1,000 square feet per 24 hours as measured by ASTM F 1869 (calcium chloride test) or greater than 80% as measured by ASTM F 2170 (determining relative humidity in concrete slabs using in situ probes). An effective in situ probe for relative humidity is the RH Blue Peg available from T&M Supply.
- Environmentally friendly, zero VOC content
- Low formulation viscosity allows for excellent penetration of concrete substrate
- Excellent adhesion to green or high alkalinity reading concrete
- Allows to meet fast-track construction schedules

ASTM E-96 Test Results:

According to ASTM E-96, Standard Test Method for Water Vapor Transmission Materials, Terroxy® Moisture Vapor Treatment measured the following permanence under the testing conditions.

Test Conditions	Test Results
Uncoated concrete over water	2.69 perms
Uncoated concrete with constant 85% RH	1.33 perms
Over water, concrete coated with Terroxy® Moisture Vapor Treatment and Terroxy® Primer	0.26 perms
With constant 85% RH, concrete coated with Terroxy® Moisture Vapor Treatment and Terroxy® Primer	0.21 perms

Coverage:

Typical coverage is approximately 425 square feet per blended unit. Coverage will vary depending on surface profile and porosity. When product is applied to light-weight concrete, coverage rates will decrease significantly.

Concrete Substrate Preparation:

1. Concrete slab shall have an efficient moisture/vapor barrier (suggested minimum: 15 mils thickness) directly under the concrete slab.
2. No curing agents should be used.
3. If recently poured concrete:
 - a. Product applied as soon as bleed water evaporates off of concrete surface
 - b. All surface contaminants must be removed.

- OR -
3. If fully cured concrete (> 28 days)
 - a. Concrete surface shall be prepared mechanically by shot blasting. Surface preparation results should achieve a CSP3-CSP5 profile according to ICRI Guideline No. 03732.
 - b. All surface contaminants must be removed.

Product Data Sheet

Product Benefits:

- Excellent Moisture Barrier
- Ideal for Damp/Green Concrete
- Environmentally User-Friendly

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Installation Instructions:

Mixing

Terroxy® Moisture Vapor Treatment is a three-component product and must be properly mixed and applied in order to perform as specified. Substrate and all materials must be maintained at 60–90°F for 24 hours before, during and after installation. Using clean 3–1/2 gallon container provided, pour Part B (Hardener) into clean pail, then mix Part A (Resin) into Part B. With a slow speed mixer, thoroughly mix Part A & B for a minimum of 2–3 minutes. This will result in a creamy emulsion. Add one gallon of water slowly while continuously mixing. Let mix for several minutes to ensure homogenous consistency.

Application

Apply Terroxy® Moisture Vapor Treatment at a rate of 200 Sq. Ft. per gallon for a total of 425 Sq. Ft. per blended unit. It is recommended that the Terroxy® Moisture Vapor Treatment be applied to a damp concrete substrate but not wet (i.e. no puddles or standing water being visible on the concrete substrate). The Terroxy® Moisture Vapor Treatment can be brushed or rolled onto the concrete. It can also be sprayed or applied with a squeegee. In order for product to perform as specified it is critical to not exceed the recommended coverage rate of 200 Sq. Ft. per gallon. Avoid leaving any puddles of Terroxy® Moisture Vapor Treatment. Allow product to cure for a minimum of 24 hours then apply Terroxy® Primer at a rate of 250 Sq. Ft. per gallon. Proceed with normal sequence of terrazzo installation after Terroxy® Primer has been applied.

Cure Time: 24 hours

Additional Considerations:

Do not use in temperatures below 60°F. Do not use where known hydrostatic pressure conditions exist or where relative humidity exceeds 95% and/or Moisture Vapor Transmission rates exceed 10 lbs. per 1,000 Sq. Ft. per 24 hours. For moisture readings higher than 10 lbs. or relative humidity readings in excess of 95%, contact the T&M Technical Department at 866.TERROXY.

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® Moisture Vapor Treatment 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® Moisture Vapor Treatment fails to meet this warranty, the liability of T&M will be limited to replacement of any non-conforming Terroxy® Moisture Vapor Treatment 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® Moisture Vapor Treatment. 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® Moisture Vapor Treatment 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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