

## Joint Filler Hardener

### Description:

Terroxy Joint Filler Hardener, designed to be mixed with Terroxy Matrix Part A to produce a 100% solids epoxy joint filler. This mixture, when cured, results in a versatile product to be used to protect saw-cut joints of on grade concrete slabs and to repair damaged joints. Terroxy Joint Filler Hardener with Terroxy Matrix Part A also helps to prevent the erosion of control joint edges by absorbing the impact and shock of heavy loads and steel wheeled traffic.

### Product Benefits:

- Provides 100% elongation
- High elasticity allows for joint movement
- Strengthens control joints to support heavy loads
- Environmentally friendly, zero VOC content
- Easy 1:1 mix ratio by volume with Terroxy Matrix Part A

### Coverage:

Approximate coverage measured in lineal feet (meters) per blended gallon (3.78 Liters).

		Joint Width						
		1/8" (0.31cm)	1/4" (0.63cm)	3/8" (0.93cm)	1/2" (1.27cm)	5/8" (1.55cm)	3/4" (1.90cm)	1" (2.54cm)
Joint Depth	1/4" (0.63cm)	616' (187.7m)	308' (93.8m)	205' (62.4m)	154' (46.9m)	123' (37.4m)	103' (31.4m)	77' (23.4m)
	1/2" (1.27 cm)	308' (93.8m)	154' (46.9m)	103' (31.4m)	77' (23.4m)	62' (18.8m)	51' (15.5m)	39' (11.8m)
	3/4" (1.90cm)	205' (62.4m)	103' (31.4m)	68' (20.7m)	51' (15.5m)	41' (12.5m)	34' (10.3m)	26' (7.9m)
	1" (2.54 cm)	154' (46.9m)	77' (23.4m)	51' (15.5m)	39' (11.8m)	31' (9.4m)	26' (7.9m)	19' (5.7m)
	1 1/4" (3.17cm)	123' (37.4m)	61' (18.6m)	41' (12.5m)	31' (9.4m)	25' (7.6m)	21' (6.4m)	15' (4.5m)
	1 1/2" (3.81cm)	103' (31.4m)	51' (15.5m)	34' (10.3m)	26' (7.9m)	21' (6.4m)	17' (5.2m)	13' (3.9m)
	1 3/4" (4.44cm)	88' (26.8m)	44' (13.4m)	29' (8.8m)	22' (6.7m)	18' (5.4m)	15' (4.5m)	11' (3.3m)
	2" (5.08 cm)	77' (23.4m)	39' (11.8m)	26' (7.9m)	19' (5.7m)	15' (4.5m)	13' (3.9m)	10' (3m)
	2 1/2" (6.35cm)	62' (18.8m)	31' (9.4m)	21' (6.4m)	15' (4.5m)	12' (3.6m)	10' (3m)	8' (2.4m)
	2 3/4" (6.98cm)	51' (15.5m)	26' (7.9m)	18' (5.4m)	13' (3.9m)	10' (3m)	9' (2.7m)	6' (1.8m)

### Surface Preparation:

1. Concrete slab shall have an efficient moisture/vapor barrier (suggested minimum: 15 mils / 0.4mm thickness) directly under the concrete slab.
2. Concrete shall have 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" (0.635cm) in 10 feet (3.0m).
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.

### Control Joint Preparation:

Thoroughly clean with neutral cleaner and squeegee excess water from surface, immediately, prior to applying Terroxy Joint Filler Hardener.

### Installation Instructions

#### Mixing:

Product and air temperature must be a minimum of 60°F/15.5°C for 24 hours, prior to, during and after application. Separately stir Terroxy Matrix Part A and Terroxy Joint Filler Hardener Part B to remix any settled filler or color pigments. Thoroughly mix together Terroxy Matrix Part A and Terroxy Joint Filler Hardener Part B at a 1:1 ratio using a low speed mixer for a minimum of three minutes.

**Applications:**

Pour Terroxy Joint Filler from suitable container or caulking gun. Two passes may be required, as pourable materials have a tendency to dish out. The filled joint must be flush with the floor.

**Cure Time:**

Initial Cure: 8 hours

Final Cure: 48-72 hours

**Technical Data:**

Property	Test Method	Typical Results
Artificial Weathering	ASTM G-23-75, Type D	10-15% elastometric property after 1,000 hours
Bond Strength	Federal Spec, TTOS-00227E	No failure after 25% total movement
Tensile Strength	ASTM D-638	600 psi (4.1 MPa)
Elongation	ASTM D-638	100%
Tear Resistance	ASTM D-624-73	30 lb/in (26 kg/cm)
Service Temperature	----	30°-180°F / -1° - 82.2°C

**Maintenance:**

All tools and equipment should be cleaned before the system gels (40 minutes). Clean with xylene or lacquer thinner.

**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 Joint Filler Hardener 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 Joint Filler Hardener fails to meet this warranty; the liability of T&M will be limited to replacement of any non-conforming Terroxy Joint Filler Hardener 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 Joint Filler Hardener. 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 Joint Filler Hardener 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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