Accelerated Grout Hardener

Description:
Terroxy Accelerated Grout Hardener Part B is designed exclusively for use with Terroxy Resin Matrix Part A. (5A:1B Mix Ratio)
For professional use only. See specific installation instructions before using.

Product Benefits:
• Fast cure for quickest turnaround
• Moisture Insensitivity
• Ideal For Grouting
• Fast-Set Fill Morter

Coverage:
8-10 ft² (0.7-0.9m²) per blended gallon at 3/8” (0.93cm) thickness with 60% #1 chip and 40% #0 chip mixture. Grout coverage will vary depending on surface conditions.

Cure Time:
At 70°F/21°C, Terroxy will be tack free in 4 hours and may be ground in 6 hours. Grout film will cure in approximately 4 hours at 70°F/21°C.

Installation Instructions
Mixing / Application:
Do not mix until the surface to be coated has been prepared. Mix Part A (Resin) to insure that pigment is properly suspended. Mix 5 parts by volume Part A with 1 part by volume Part B. Use a low speed power mixer and stir until a uniform appearance is achieved. Continue to mix for at least 3 minutes. Best results are achieved if Parts A and B are maintained at 70-80°F (21-26.6°C)for at least 24 hours before use. The working time for five gallons of blended matrix mixed with 180lbs / 81.6kg of marble is approximately 30 minutes. When using as grout hardener working time is 25 minutes.

Limitation:
Increased cure rates will limit the working time of the epoxy. In addition certain conditions may adversely affect the yellowing of epoxies.

Health Hazards:
Can cause chemical burns to skin and eyes. Vapors can be harmful. Prolonged or repeated exposure may cause asthma, skin sensitization or other allergic response. These hazards are not present when Terrazzo is fully cured.

First Aid Procedures:
Wear eye protection, gloves and body-covering clothing when handling. For eye irritation, flush at once with potable water for at least 15 minutes. For skin irritation, wash affected area with soap and warm water, remove contaminated clothes and wash before reuse. If ingested, do not induce vomiting and seek medical attention. If breathing is affected by inhalation, remove to fresh air and administer oxygen.

Spill or Leak Actions:
In case of spills, dispose of in accordance with federal, state and local regulations.
Technical Data:

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Typical Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>ASTM D-2240 using Shore-D Durometer</td>
<td>75-85</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-638</td>
<td>4300 psi min. (29.6 MPa)</td>
</tr>
<tr>
<td>Tensile Elongation</td>
<td>ASTM D-638</td>
<td>4.8%</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM D-790</td>
<td>4000 psi min. (31.0 MPa)</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>ASTM D-790</td>
<td>2.1 x 10^5 psi (14485.0 MPa)</td>
</tr>
</tbody>
</table>
| Chemical Resistance           | ASTM D-1308 Seven Days at room temperature by immersion method. | No deleterious effects:  
  • Distilled Water  
  • Isopropanol  
  • 0.025 Detergent Solution  
  • 10% Sodium Hydroxide  
  • 30% Sulfuric Acid  
  • Mineral Oil  
  • Ethanol  
  • 1% Soap Solution  
  • 10% Hydrochloric Acid  
  • 5% Acetic Acid |
| Flammability                  | ASTM D-635                   | Self extinguishing, extent of burning 0.25" (6.4 mm) max |
| Fire Rating - Test for Surface Burning Characteristics of Flooring | CAN/ULC S102.2-10 Tunnel Test | Smoke Developed Classification (SDC) - 175  
  Flame Spread Rating (FSR) - 5 |
| Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chamber | ASTM D5116 (aka CA Section 01350) | Meets Section 1350 requirements |
| Thermal Coefficient of Linear Expansion | ASTM D-696 | 25x10^-4 inches per inch per °F to 140°F maximum  
  11.4x10^-3 cm per cm per °C to 60°C maximum |
| Bond Strength                 | ASTM C-1583-04 / ACI COMM 403, Bulletin 59-43 (pages 1139-1141) | 350 psi minimum (2.41 MPa) - 100% concrete failure |
| Compressive Strength          | ASTM C-579                   | 10,000 psi minimum (68.9 MPa min), - 5-6 min per minute |
| Fungus & Bacterial Resistance | MIL F-52505 4.4.2.11 | Will not support growth of fungus or bacteria |
| Impact Resistance             | MIL D-3134F 4.7.3            | Withstands 16 ft/lbs without cracking, delaminating or chipping |
| Resistance to Elevated Temperatures | MIL D-3134F 4.7.4 | No slip or flow at 158°F (70°C) |
| Indentation                   | MIL D-3134F 4.7.4            | Withstands 2000 lbs/sq in for 30 min. without indentation  
  Withstands 13.8 MPa for 30 min. without indentation |
| Thermal Shock Resistance      | ASTM C-884                   | Passes                                               |
| Water Absorption              | ASTM D-570                   | 0.010%                                               |
| Critical Radiant Flux         | ASTM D-648                   | 1.0 watts/cm²                                        |
| Abrasion Resistance           | ASTM D-4060                  | 0.35 grams lost                                       |

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

Distributed By:

www.tmsupply.com

464 Northgate Parkway
Wheeling, IL 60090
p: 847.947.7300

12632 Monarch St. Unit B
Garden Grove, CA 92841
p: 714.901.1400

6100 Seaforth St.
Baltimore, MD 21224
p: 410.633.6200

www.domusterrazzo.com

5789 Steeles Avenue West
Toronto, ON M9L 2W3
p: 416.789.5387