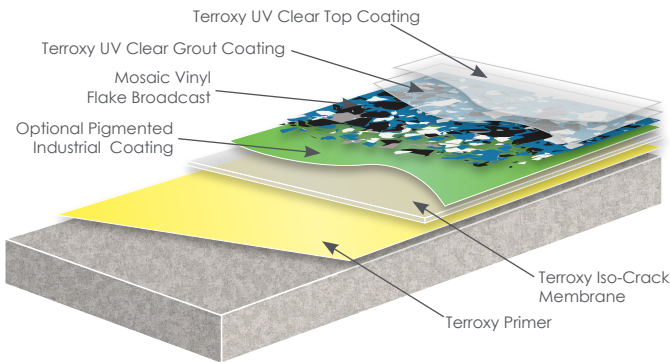


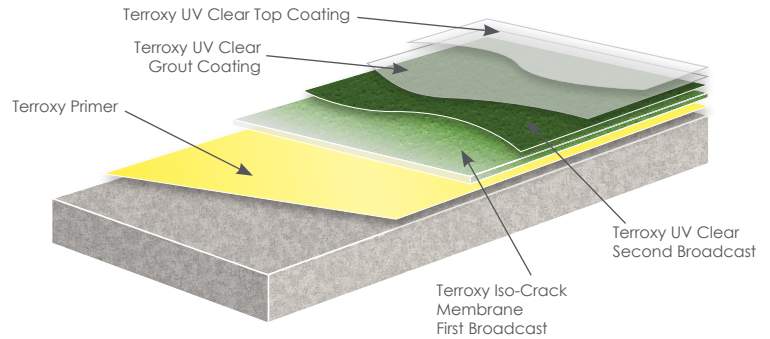
### Decorative Iso-Flex

Terroxy Mosaic Decorative Iso-Flex is a mosaic pattern floor covering. Mosaic vinyl flakes are incorporated in clear or gray impact resistant Terroxy Iso-Crack Membrane and sealed with a UV resistant clear, high gloss finish. Also provides tough chemical resistant protection. Pigmented coating can be applied for more design options.



1/16" Mosaic Decorative Iso-Flex

Terroxy Quartz Decorative Iso-Flex is a crack isolation system with colored quartz aggregate to provide the toughness and flexibility of Iso-Crack Membrane with the beauty and durability of quartz broadcast flooring. Iso-Flex remains flexible while the UV and chemical resistant top coat provides protection that allows the Iso-Flex system to function for many years.



1/8"-3/16" Quartz Decorative Iso-Flex

#### System Benefits:

- High Impact and Chip Resistance
- Bridges and Resists cracking
- Can be used as a Waterproof Membrane
- Broad Color Palette
- Aesthetically Pleasing
- Chemical and stain resistant
- Durable and easy to clean
- Zero V.O.C. System
- Seamless

#### Typical Applications:

- Interior high traffic areas
- Kitchens, restaurants & cafeterias
- Locker rooms and restrooms
- Clean rooms & laboratories
- Classrooms & auditoriums
- Office buildings
- Hospitals and healthcare facilities

Test	Method	Results - Mosaic Decorative Iso-Flex	Results 1/8" Decorative Iso-Flex
Abrasion Resistance	ASTM D-4060 C-S17 Wheel 1000 Cycles	35 mg loss	35 mg loss
Adhesion	ACI 503R	300 psi (100% concrete failure) (2.07 MPa)	300 psi (100% concrete failure) (2.07 MPa)
Color	-	Custom color blends	Custom color blends
Compressive Strength	ASTM C-579	12000 psi (82.7 MPa)	12000 psi (82.7 MPa)
Flammability	ASTM D-635	Self-extinguishing over concrete	Self-extinguishing over concrete
Flexural Strength	ASTM C-580	6000 psi (41.3 MPa)	4,500 psi (31 MPa)
Hardness	ASTM D-2240, Shore D	75	75
Impact Resistance	MIL-D-3134J	Direct, 13.3 ft - lbs, Pass (1.8m - kg) Reverse, 13.3 ft - lbs, Pass (1.8m - kg)	Withstands 16 ft - lbs (2.2m - kg) without cracking, delamination or chipping
Tensile Strength	ASTM C-307	1,500 psi (10.3 MPa)	1,500 psi (10.3 MPa)
Resistance to Elevated Temperatures	MIL-D-3134J	No Slip of flow at required temperature of 158°F (70°C)	No Slip of flow at required temperature of 158°F (70°C)
Hydrostatic Pressure	ASTM C-1306, Standard Test Method for Hydrostatic Pressure Resistance of a Liquid-Applied Waterproofing Membrane		Passed at 45 psig
Flood Testing	ASTM D-5957, Standard Guide for Flood Testing Horizontal Waterproofing Installations (modified)		Passed at 4-in water for 72 hours

## Installation

Terroxy materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the Decorative Iso-Flex. Contact the Technical Service Department for assistance prior to application.

### Surface Preparation - General

Terroxy systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project.

### Concrete Substrate Preparation:

Terroxy Decorative Iso-Flex can be applied to a variety of substrates given that the surface is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate.

1. Concrete slab shall have an efficient moisture/vapor barrier (suggested minimum: 15 mils / 0.4mm thickness) directly under the concrete slab.
2. Allow substrate to cure a minimum of 28 days.
3. Sub-floor should be level - maximum variation not to exceed 1/4" in 10 ft (6.35 mm in 3 m).
4. The recommended preparation method is shot blasting.
5. Surface to receive Terroxy Decorative Iso-Flex should have a steel trowel finish.
6. Substrate should not be treated with a curing agent as this may prevent bonding. If curing agent present, surface must be shot blasted.

For complete guidelines refer to Resinous Flooring Concrete Surface Preparation(RFCSP)

### Temperature

Throughout the application process, substrate temperature should be above 50°F (10°C) and rising. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates should occur while temperature is falling to lessen off-gassing. The material should not be applied in direct sunlight, if possible.

### Application Information

Material	Mix Ratio	Theoretical Coverage Per Coat	Packaging
Terroxy Primer	2:1	250 ft <sup>2</sup> /gal	3 gal
Terroxy Iso-Crack Epoxy Membrane	1:1	40 ft <sup>2</sup> /gal @40 mils	10 gal
Terroxy UV Clear	2:1	250 ft <sup>2</sup> /gal	3 gal

Optional Pigmented Coat - Consult individual Technical Data Sheet for mixing and application instructions.  
Terroxy Industrial Coating

Optional top coats - Consult individual Technical Data Sheet for mixing and application instructions.  
Terroxy Polyaspartic  
Essential Polymers T-Rx Coating

### Terroxy Primer

**Mixing:** Temperature of Terroxy Primer and air temperature must be 50-90°F (10 - 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 m<sup>2</sup> per blended 3.8 liters). Apply uniformly to the surface while trying to eliminate puddling. Apply with brush roller or squeegee. Wait until primer is tacky (usually 1 hour minimum), before applying the Iso-Crack Membrane. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight.

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

### Terroxy Iso-Crack Epoxy Membrane (1/16" Mosaic Flakes Only)

#### First Broadcast

**Mixing:** Temperature of Terroxy Iso-Crack Epoxy Membrane must be 50°F (10°C) or above at time of mixing. Stir each component separately before blending. Mix one part, by volume of Part A with one Part B for three minutes with low speed electric drill and a mixing paddle, until uniform. Mix only that quantity that can be used within its pot life.

#### Optional Pigmented Terroxy Industrial Coating (1/16" Mosaic Flakes Only, Use this step for first Broadcast of Flake)

For mixing and application instructions for the option pigmented Terroxy Industrial Coating please refer to the Terroxy Industrial Coating product data sheet (PDS).

**Applications:** Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" red rubber squeegee to yield 20 mils. Allow material to self-level, the surface should be lightly back-rolled with a looped roller to help smooth. Use a spiny roller to aid in the release of air. Begin evenly broadcasting mosaic vinyl flakes into wet resin much the same as grass seed is spread. Mosaic vinyl flakes should be broadcast in such a way that the flakes fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.

**Cure Time:** Allow to cure for 12 hours, sweep off excess vinyl chips with a stiff bristled broom. Material cures more slowly at lower temperatures.

### **Second Broadcast**

#### **Mixing and Application:**

Repeat Mixing and Application instruction from First Broadcast using UV Clear at a rate of 150 square feet.

**Cure Time:** Allow to cure overnight (a minimum of 24 hours) at 75°F (23.8°C) surface temperature before opening to traffic. Material cures more slowly at lower temperatures.

### **Terroxy Iso-Crack Epoxy Membrane (1/8" - Quartz Only)**

Different optional aggregates available - Consult technical services for availability, mixing and application instructions.

### **First Broadcast**

#### **Mixing:**

Temperature of Terroxy Iso-Crack Epoxy Membrane must be 50°F (10°C) or above at time of mixing. Stir each component separately before blending. Mix one part, by volume of Part A with one Part B for three minutes with low speed electric drill and a mixing paddle, until uniform. Mix only that quantity that can be used within its pot life.

**Applications:** Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" red rubber squeegee to yield 20 mils. Allow material to self-level, the surface should be lightly back-rolled with a looped roller to help smooth. Use a spiny roller to aid in the release of air. Begin evenly seeding decorative aggregate into the wet resin much the same as grass seed is spread. Aggregate may be spread by hand or mechanical blower but should be done in such a way that the aggregate falls lightly into the resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.

**Cure Time:** Allow to cure overnight (a minimum of 24 hours) at 75°F (23.8°C), sweep off excess granules with a clean, stiff bristled broom. Clean granules can be saved for future use. All imperfections such as high spots should be smoothed before the application of the second broadcast.

### **Second Broadcast**

**Mixing:** Premix Terroxy UV Clear using a low speed drill and mixing paddle. Mix for one minute and until uniform, exercising caution not to introduce air into the material. Add 2 parts Terroxy UV Clear Part A to 1 part UV Clear Part B by volume. Mix with low speed drill and mixing paddle for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

#### **Application:**

Repeat Application instruction from first broadcast using UV Clear. Apply at a rate of 120 square feet.

**Cure Time:** Allow to cure overnight (a minimum of 24 hours) at 75°F (23.8°C).

### **Terroxy UV Clear Grout Coat**

**Application:** Apply Terroxy UV Clear using a squeegee or trowel and back roll with a 3/8" nap roller at a spread rate of 115 square feet per gallon to yield 14 mils making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

**Cure Time:** Allow to cure overnight (a minimum of 24 hours) at 75°F (23.8°C) surface temperature before opening to traffic. Material cures more slowly at lower temperatures.

**Terroxy UV Clear Top Coating**

**Application:** Apply Terroxy UV Clear using a squeegee or trowel and back roll with a 3/8" nap roller at a spread rate of 160-200 square feet per gallon to yield 10-8 mils making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

**Cure Time:** Allow to cure overnight (a minimum of 24 hours) at 75°F (23.8°C) surface temperature before opening to traffic. Material cures more slowly at lower temperatures.

**Clean Up**

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents

**Maintenance:**

After completing the application of Terroxy Decorative Iso-Flex, the installer should provide the owner with proper maintenance instructions. If the floors become slippery due to animal fats, oil, grease, soap or other topical residue, promptly remove contaminants and rinse thoroughly.

Terroxy Decorative Iso-Flex is easily cleaned with neutral pH Balance Cleaners or detergents. Routine hand scrubbing is recommended for all surfaces having a slip resistant texture.

**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 warrants for a period of one (1) year that Terroxy Decorative Iso-Flex will be free of manufacturing defects and will conform to published specification when handled, stored, mixed and applied in accordance to recommendations of Terrazzo & Marble. If Terroxy Decorative Iso-Flex fails to meet this warranty, the liability of Terrazzo & Marble will be limited to replacement of any non-conforming Terroxy Decorative Iso-Flex only if notice of such non-conformity is given to Terrazzo & Marble within one (1) year from the delivery of materials. Terrazzo & Marble may, according to its discretion, refund the price received by Terrazzo & Marble in lieu of replacing the Terroxy Decorative Iso-Flex. No customer, distributor or representative of Terrazzo & Marble 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 Terrazzo & Marble. In order to obtain replacement or refund, the customer must provide written notice containing full details of the nonconformity. Terrazzo & Marble reserves the right to inspect the non-conforming Terroxy Decorative Iso-Flex 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. Terrazzo & Marble's obligation shall not extend beyond the obligations expressly undertaken above and Terrazzo & Marble 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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