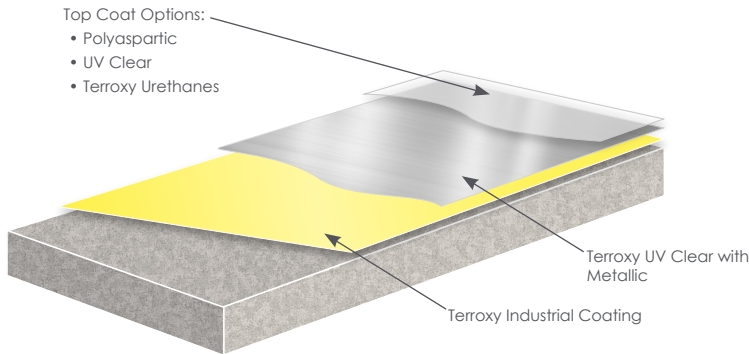


Decorative Metallic

Terroxy Decorative Metallic is a coating system designed to provide a durable and chemical resistant resinous floor coating that utilizes metallic and pearlescent powder integral pigments to produce brilliant and dynamic custom effects for illumination and beautification of concrete floors and other surfaces. Metallic and pearlescent will vary from application to application.



45 mil Decorative Metallic

System Benefits:

- Broad Color Pallet
- Aesthetically Pleasing
- Chemical and stain resistant
- Impact and abrasion resistant
- Durable and easy to clean
- Zero V.O.C. System
- Seamless

Typical Applications:

- Arenas and sports venues
- High end commercial spaces
- Interior high traffic areas
- Restaurants & cafeterias
- Classrooms & auditoriums
- Office buildings
- Hospitals and healthcare facilities

Test	Method	Results - Mosaic Decorative Metallic	Results Decorative Metallic
Abrasion Resistance	ASTM D-4060 C-S17 Wheel 1000 Cycles	63 mg loss	90-100 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 / ASTM D-695	12,000 psi (82.7 MPa) Minimum	12,000 psi (82.7 MPa) Minimum
Flammability	ASTM D-635	Self-extinguishing over concrete	Self-extinguishing over concrete
Flexural Strength	ASTM C-580	10,000 psi (68.9 MPa)	4,500 psi (31 MPa)
Hardness	ASTM D-2240, Shore D	70/65	70/65
Impact Resistance	MIL-D-3134J	Direct, 13.3 ft - lbs, Pass (1.8m - kg) Reverse, 6.7 ft - lbs, Pass (0.9m - kg)	Withstands 16 ft - lbs (2.2m - kg) without cracking, delamination or chipping
Tensile Strength	ASTM C-307	2,500 psi (17.2 MPa)	2,500 psi (17.2 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)
Fungus & Bacterial Resistance	MIL F-52505 4.4.2.11	Will not support growth of fungus or bacteria	Will not support growth of fungus or bacteria
Water Absorption	ASTM D-570	< 0.010%	< 0.010%

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 Metallic. An on-site mockup at least 5' x 5' for owner approval is recommended. 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 Metallic 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 or grinding to achieve a CSP 2.
5. Surface to receive Terroxy Decorative Metallic 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 Industrial Coating	2:1	50-160 ft ² /gal	3 gal
Terroxy UV w/ Metallic	2:1	50-80 ft ² /gal	3 gal
Terroxy UV Clear	2:1	160-200 ft ² /gal	3 gal

Optional top coats - Consult individual Technical Data Sheet for mixing and application instructions.

Terroxy Polyaspartic
 Terroxy Purify Urethane
 Terroxy 2K Urethane

Terroxy Industrial Coating

Mixing: Premix Industrial Coating 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 Industrial Coating Part A to 1 part Industrial Coating 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: Apply Industrial Coating using a squeegee or trowel and back roll with a 3/8" nap roller at a spread rate of 50-160 square feet per gallon (1.3-4.0 meters squared per liter) to yield 10-30 mils (250-750 microns) making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

Cure Time: Allow to cure overnight (a minimum of 16 hours) at 75°F (23.8°C) surface temperature before opening to traffic. Material cures more slowly at lower temperatures.

Terroxy UV Clear w/ Metallic

T&M recommends sanding and cleaning the surface before proceeding with the following steps. This will ensure a satisfactory bond and better product performance

Mixing: Temperature of mixing components and air temperature must be 50-90°F (10 - 32.2°C). Components must be mixed mechanically using a low-speed drill (300-450 rpm) until blended with a "Jiffy-type" or similar mixing paddle. Pre-mix Metallic pigment thoroughly into Terroxy UV Clear Part A a minimum of 24 hours before mixing with UV Clear Part B. Lightly pre-mix again prior to use. Empty entire contents of component A and component B into a clean mixing vessel (continued on next page).

Mix for approximately 3 minutes keeping the mixing head fully immersed at all times. At least once when mixing, top to scrape down the sides and bottom of the pail to ensure thorough blending of both components. If not mixing full units, each component must be pre-mixed individually ensuring uniformity prior to use. Once completely mixed and in observance of pot life, dispense material immediately from the pail to the substrate. Never scrape resin from the inside walls of the mixing vessel directly onto the concrete floor.

Application: Pour out mixed Terroxy Metallic base coat in large ribbons across the tack-free primed concrete surface. While wearing spiked shoes, spread evenly with a 1/8" notched trowel to ensure consistent and complete coverage on the floor. When using multiple colors be careful not to over-work, and allow individual colors to bleed and migrate into one another.

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

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: 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 Metallic, 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 Metallic 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 Metallic 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 Metallic fails to meet this warranty, the liability of Terrazzo & Marble will be limited to replacement of any non-conforming Terroxy Decorative Metallic 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 Metallic. 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 Metallic 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.