

DESCRIPTION

TER-FLO™ Terrazzo has been specially formulated to provide all of the design capability, longevity, and beauty without the challenges and drawbacks associated with traditional poured-in-place Terrazzo. Using the latest in technology, TER-FLO™ Terrazzo offers an easy to afford, easy to install, and easy to maintain Epoxy Terrazzo flooring system for your next project.

Favored by engineers and builders for over 5 centuries for its strength and durability, Terrazzo flooring often lasts longer than the entire life-span of a building. Facilities sometimes go through several floor replacements in its lifetime; however, with a terrazzo installation, the need to replace flooring is virtually eliminated.

TER-FLO™ Terrazzo is highly customizable. Installers can combine any selection of aggregates ranging from marble to glass chips. The resin matrix colors can even be customized to suit the needs of each design.

Because TER-FLO™ Terrazzo has a high compressive strength, it can withstand heavy amounts of pressure caused by foot traffic or heavy machinery. The durability of our material allows the surface to last for years with minimal maintenance besides a daily routine cleaning. Terrazzo resists against water damage, fire damage, chemical spillage, and other stain risks. With a recommended sealer by our expert terrazzo installers, you can add additional protection to the terrazzo floor.

TER-FLO™ Terrazzo flooring is an affordable solution for homeowners and building owners alike. When you factor the one-time terrazzo installation cost combined with low frequency in replacement costs, terrazzo is among the lowest life-cycle costs in flooring.

TER-FLO™ Terrazzo consists of renewable materials and contains no volatile organic compounds which promote better indoor air quality. Terrazzo has adopted new measures over the years to become a sustainable flooring option. The great thing about terrazzo is its contributions to LEED certifications. LEED serve as guidelines for achieving sustainable building design. This can be obtained through the choice of materials used in a terrazzo installation such as the use of post-consumer recycled glass or by the selecting local materials that reduce carbon footprint.

PHYSICAL CHARACTERISTICS

Description	Product Properties
Components	2K (5A : 1B)
Visual Appearance	Glossy
Density (Mixed A+B)	9.0 lb/gal
(Matrix)	15.0 lb/gal
VOC content	<50 g/l
Pot Life @ 70°F	60 minutes
Dry to Touch @ 70°F, 50%RH	4-6 hours
Dry to Grind	14-18 hours
Traffic Ready 70°F	24 hours
Full Cure	7 days

FEATURES

- Extensive color selection allows for unlimited design variations
- Chemical and stain resistant
- Fiberglass scrim optional for maximum tensile strength and crack isolation
- Optional waterproofing and/or membrane
- High wear, impact and abrasion resistance
- Various cure speed and finishing time is available
- Less weight than cement terrazzo, more suitable for multi-story buildings
- Low maintenance, sanitary
- Available with an antimicrobial agent
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Meets NTMA and TTMAC standards for epoxy terrazzo

COLORS

Standard Epoxy Colors – see color chart

<https://topendterrazzo.com/design-tools/color-selection/>

TYPICAL USES

- Offices
- Lobbies and corridors
- Arenas/Stadiums/Coliseums
- Airports
- Government facilities
- Libraries
- Schools
- Hospitals
- Residential

CHEMICAL RESISTANCE DATA

ASTM D1308 7 Days @ 70°F

No deleterious effects:

- Distilled Water
- California Tape Water
- Mineral Oil
- Isopropanol
- Ethanol
- 0.25 Detergent Solution
- 1% Soap Solution
- 10% Sodium Hydroxide
- 10% Hydrochloric Acid
- 30% Sulfuric Acid
- 5% Acetic Acid

STORAGE

This product has a minimum shelf life of one year when stored in a dry area at 50-90°F in the original sealed container.

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 90°F.

Do not grind unless “OSHA Dust Control Plan” is in place.

Dust Hazard, Combustible Dust

HANDLING/SAFETY

DANGER. Amines are corrosive.

Eye and skin irritant. May cause dermatitis and sensitization. Always read and understand the product SDS.

Avoid contact with eyes, skin or clothing. Avoid breathing vapor, mist or spray. Use with good ventilation.

FIRST AID

In case of contact:

Eyes: Immediately flush with water for at least 15 minutes.

Skin: Immediately remove from skin with dry cloth followed by thorough washing with soap and water.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen.

Ingestion: Immediately call a Poison Center/Doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

CAUTION

Always read and understand the specific product data guide and SDS sheets before using this product. For more information, contact **TER-FLO™ Terrazzo**.

TER – FLO™

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TERRAZZO FLOORING SYSTEM

PRELIMINARY FLOOR INSPECTIONS & PREPARATION

Concrete Substrate Preparation:

1. Concrete slab shall have an efficient moisture/vapor barrier (suggested minimum: 15 mils thickness = .4 mm) directly under the concrete slab.
2. Allow substrate to cure a minimum of 28 days.
3. Sub-floor should be flat (maximum variation not to exceed 1/4" in 10 feet = 6.4 mm in 3.1 m). Surface should be checked for soundness and any "hollow" areas removed.
4. Test concrete substrates according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes). Do not install terrazzo or terrazzo accessories until test results are less than 80% RH. If 80% RH is not met, apply additional drying or negative side moisture mitigation methods. (See Moisture Vapor Treatment Primer, TER-FLO™ Terrazzo MVB)
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.

6. A light steel trowel is needed to provide an acceptable surface with minimum laitance.
7. The use of concrete curing agents may prevent bonding. If curing agent present, surface must be shot blasted to remove all contaminants from the floor.

Moisture testing is critical; it is not a guarantee against future problems. This is especially true if there is no vapor barrier or the vapor barrier is not functioning properly and/ or you suspect you may have concrete contamination from oils, chemical spills or excessive salts.

COVERAGE

Coverage rates shown below are approximate and will depend upon application technique, surface texture, porosity of substrate and job conditions.

TERRAZZO FLOOR THICKNESS	COVERAGE PER BLENDED GALLON
1/4" Thickness	11-13 sqft
3/8" Thickness	8-10 sqft

APPLICATION

Mixing:

During installation and initial cure cycle, ambient air and slab temperature shall be maintained as per manufacturing guideline, minimum 60°F and max of 90°F (15.5°C - 32.2°C). Set divider strips in accordance with architectural specifications. Divider strips shall be permanently bonded to substrate utilizing 100% solid epoxy resin as suggested by TER-FLO™ Terrazzo. Prime the substrate with suitable TER-FLO™ primer and allow to set for a minimum as recommended by the product data sheet before applying

TER-FLO™ Terrazzo Epoxy Matrix. Mix the liquid, Part A and Part B, at a ratio of 5:1 by volume for 3 minutes; then add the specified aggregates.

Application:

Trowel to the desired thickness specified in the architect's design then allow system to cure overnight. Grind with 24 grit or rough grit stones. Grout surface with TER-FLO™ Terrazzo Epoxy Matrix

or Clear Epoxy Resin to seal and fill voids. Allow the system to cure overnight. (Grout may be left on terrazzo until other trades' work is completed.) Grind floor with medium or fine grit stones until all grout is removed from surface. Polishing may need to be repeated if a higher shine finish is desired. Clean thoroughly with a neutral cleaner with a pH factor between 7-10 and allow surface to dry. Seal with TER-FLO™ Sealer, TER-FLO™ WB Urethane Sealer, or approved Acrylic Sealer

CHECK THE TEMPERATURE AND HUMIDITY:

Floor temperature and materials should be between 65°F (18°C) and 90°F (32°C). Humidity must be less than 80%. DO NOT coat unless floor temperature is more than five degrees over the dew point. Proper ventilation is required.