



**TERRAZZCO®**  
BRAND PRODUCTS

CONCORD  
TERRAZZO  
COMPANY

# TERRAZZCO® EZPour Clear Epoxy 158C

## PRODUCT DESCRIPTION

TERRAZZCO® EZPour Clear Epoxy 158C is a two-component epoxy resin system. Key components of this epoxy resin coating is its durability, chemical resistance, and abrasion resistance. Can be applied over primed substrates.

## PRODUCT ADVANTAGES

- VOC free for a healthier environment
- Chemical and stain resistant
- Impact and abrasion resistant
- Easy to clean
- Yields a durable surface

## CONSIDERATIONS

- TERRAZZCO® EZPour Clear Epoxy 158C can be applied with different substances so long as each surface is properly prepared.
- Covers surfaces between 50-200 square feet per blended gallon (10-30 mils).
- Note: A second coat of TERRAZZCO® EZPour Clear Epoxy 158C may be required to seal the flooring surface or protect against off gassing. If required, apply the coating in the opposite direction of the previous coating. The subsequent binder coat is applied to the preceding course after it has reached sufficient cure, so as not to be damaged and the excess aggregates are removed. The type, size and gradation of the aggregate will determine the coverage and consumption rate of the additional coating.

## TYPICAL USES

TERRAZZCO® EZPour Clear Epoxy 158C is perfect for almost any surface where a uniformly even, highly durable product is desired. TERRAZZCO® EZPour Clear Epoxy 158C provides the best in aesthetic value and innovation making it ideal for commercial, industrial, and institutional uses. TERRAZZCO® EZPour Clear Epoxy 158C when integrated with marble or granite aggregate resists heavy industrial wear and chemical corrosion making it perfect for pharmaceutical and chemical plants, classrooms, restrooms, and other areas with heavy traffic sources.

## **APPLICATION**

Surface Preparation: All work should be performed by trained and experienced contractors or maintenance personnel. TERRAZZCO® EZPour Clear Epoxy 158C can be applied to a variety of substrates after each surface is prepared properly.

Consult installer for job specific slab conditions for TERRAZZCO® epoxy flooring system installation. Concrete surface must be free of dirt, waxes, curing agents, and any other foreign materials. Surfaces should be prepared by grinding or shot blasting and any repairs to concrete must be made prior to applying this product. An active vapor barrier under the concrete must be made prior to applying this product. An active vapor barrier under the concrete slab is required. Concrete slabs receiving resinous flooring must be tested for relative humidity according to ASTM F-2170 (Relative Humidity in Concrete Floor Slabs using in situ probes). Measurements must be made using Wagner Electronics Rapid RH® 4.0 Smart Sensor and Rapid RH® Easy Reader. RH reading below 75% do not require the application of a vapor moisture mitigation system. 75% or higher requires the use of TERRAZZCO® Moisture Mitigation System MMS 950. A record sheet should be filled out that includes the ambient temperature and humidity during testing along with the substrate temperature and relative humidity. The test must be conducted at end user environmental conditions. Any deviation from this procedure will result in the warranty being voided.

## **MATERIALS NEEDED**

- Mineral spirits or isopropyl alcohol for cleaning equipment.
- Mixing equipment appropriate for work site.

## **MIXING & APPLICATION**

Start by mixing TERRAZZCO® EZPour Clear Epoxy 158C with a low speed drill and mixing tool. Allow the mix to become uniform. Mix for one minute, not allowing air into the material. Add three-parts Epoxy Coating part A with one-part Epoxy Coating part B. Continue mixing for three minutes until uniformed.

To apply the mixture to the surface, use a trowel and back roll or a squeegee to cover 50-200 square feet per blended gallon to yield 10-30 mils making sure of uniform coverage.

For best results, store this material at temperatures of 65-75°F before and during the application.

Allow the material to cure for a minimum of 24 hours at 75°F. At lower temperatures, expect the cure to take longer than the 24 hours.

# TECHNICAL DATA

CURED RESIN PROPERTIES		
Property	Test Method	Result
Hardness	ASTM D-2240 using Shore D Durometer	75-85
Tensile Strength	ASTM C-307	2,000 psi minimum (13.8 MPa)
Compressive Strength	ASTM C-579, Cured at 7 Days	14,500 psi minimum (100 MPa)
Flexural Strength	ASTM D-790	12,000 psi (83.2 MPa)
Abrasion Resistance	ASTM D-4060 C-S17 Wheel 1000 Cycles	100 mg loss
Bacteria Resistance	MIL-F 52505 S4.4.2.11	Will not support microbial growth when subjected to tests specified in TT-P.34
Thermal Shock Resistance	ASTM C-501	Passes
Thermal Coefficient of Expansion	ASTM C-531	25 x 10 <sup>-6</sup> inches per inch/degrees Fahrenheit maximum
Adhesion	ACI 503R / ASTM C-1583	300 psi (100% concrete failure) (2.07 MPa)
Impact Resistance	ASTM C-531	Direct, inch pound greater than 160, passes; Reverse, inch pound greater than 80, passes.
Chemical Resistance	ASTM D-1308	<u>No Deleterious Effects:</u> Distilled Water Mineral Water 5% Acetic Acid 5% Hydrochloric Acid 10% Nitric Acid 50% Citric Acid 10% Sulfuric Acid 10% Sodium Hydroxide

## CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with isopropyl alcohol or mineral spirits before the epoxy hardens. Failure to do so will cause the epoxy system to harden on the tools and equipment making it very difficult to remove. Consult SDS for safety and health precautions.

**SAFETY**

Refer to the SDS prior to use. Federal, state, and local guidelines must be followed during the handling and installation of these materials. Any excess material should be disposed of according to applicable federal, state, and local codes.

**MATERIAL STORAGE**

It is suggested that materials are stored in a temperature and humidity controlled environment. If this is not possible materials should be allowed to acclimate to controlled environmental conditions of application. Keep resins and hardeners separated from each other until ready for use. Materials should be kept away from sources of ignitions. Materials should be stored in their original unopened container. Epoxy resin does not have a shelf life and hardener has 1 year shelf life when stored in the above described manner.

**PACKAGING**

TERRAZZCO® EZPour Clear Epoxy 158C resin part A is packaged in a 3 gallon container premeasured to contain 1 unit of part A, and TERRAZZCO® EZPour Clear Epoxy 158C hardener part B is packaged in a one gallon container premeasured to contain 1 unit of part B. This allows for easy mixing at the work site by emptying the entire contents of the hardener part B into the resin part A and mixing them in the 3 gallon pail container.

**MAINTENANCE**

We advise the owner to consult the National Terrazzo & Mosaic Association guidelines for maintaining terrazzo surfaces.

In instances where the floor is exposed to residue, remove the contaminants and rinse the surface thoroughly. Clean floors using a neutral cleaner. Occasionally hand scrub the floors.

**TECHNICAL SERVICE**

TERRAZZCO® authorized representatives provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair, care and protection of concrete surfaces. TERRAZZCO® authorized representatives are available to assist customers at any time. For more information on TERRAZZCO® products, contact the manufacture and distributor, Concord Terrazzo Inc. at (704) 921-4928.

**WARRANTY:** TERRAZZCO® products are warranted for a period of one (1) year. Warranty provides that the product will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of TERRAZZCO® literature. If any product fails to meet this warranty, the liability of manufacture will be limited to replacement of any non-conforming material if notice of such non-conformity is given to manufacturer within (1) one year of delivery of materials. Manufacturer may in its discretion refund the price received by them in lieu of replacing the material. No customer or distributor of TERRAZZCO® products is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of manufacturer. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Manufacturer reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. MANUFACTURER OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND MANUFACTURER 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. TERRAZZCO'S WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL. LEED® is a registered trademark of the Green Building Council.

**MANUFACTURER AND DISTRIBUTOR**



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