



**TERRAZZCO®**  
BRAND PRODUCTS

CONCORD  
TERRAZZO  
COMPANY

# TERRAZZCO® Bonding Agent 159

## PRODUCT DESCRIPTION

TERRAZZCO® Bonding Agent is a 100% solid (VOC free) epoxy resin system designed to promote adhesion between concrete and terrazzo flooring.

## PRODUCT ADVANTAGES

- VOC free for a healthier environment
- Penetrates and reinforces concrete
- Promotes adhesion between concrete and terrazzo flooring
- Packaged and premeasured for easy mixing at work sites

## CONSIDERATIONS

- Substrate temperature must be a minimum of 55°F before, during and 72 hours after installation. The surface temperature of the concrete must be 5° above the dew point to ensure proper curing.
- Substrate must be free of dirt, waxes, curing agents and other foreign materials. The concrete surface must be prepared by shot blasting or by grinding. Depending on porosity of concrete, multiple coats of TERRAZZCO® Bonding Agent 159 may be required.
- Convenient mix ratio 1 part resin: 1 part hardener by volume
- Concrete surface must not contain puddles of standing water during application.
- TERRAZZCO® Bonding Agent 159 is not intended to be used as a moisture vapor barrier.
- Materials should be allowed to acclimate to controlled application environmental conditions prior to being mixed.
- Material is not designed to be used as a moisture vapor barrier.

## TYPICAL USES

TERRAZZCO® Bonding Agent 159 can be used in industrial, commercial, retail, healthcare and institutional facilities.

## APPLICATION

Surface Preparation: All work should be performed by trained and experienced contractors or maintenance personnel. Concrete surface and air temperature must be a minimum of 55°F during installation and cure. Concrete surface temperature must be a 5° above the dew point to ensure proper curing of the material.

# TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES		
Property	Test Method	Result
Tensile Strength	ASTM D-638	6,000 psi min. @ 7 days
Elongation	ASTM D-638	2-4%
Shear Bond Strength	ASTM D-1344	850 psi
Adhesion to Concrete	ACI COM 403	300 psi (concrete failure)
Flexural Strength, 7 days	ASTM C 293	650 psi
WORKING DATA		
Working (Pot) Life		50 minutes @ 75°F
Full Set Time		6-8 hours @ 75°F
Full Cure Time		7 days @ 75°F

## MATERIALS NEEDED

- Hand mixing drill with jiffy blade
- Mineral spirits or isopropyl alcohol for cleaning equipment

## MIXING & APPLICATION

1. Premix TERRAZZCO® Bonding Agent 159 resin part A using a low speed drill and jiffy blade for two to three minutes.
2. Add one part TERRAZZCO® Bonding Agent 159 resin part A to one part TERRAZZCO® Bonding Agent 159 hardener part B by volume. Mix using the drill and jiffy blade for two to three minutes.
3. Pour the mixed material onto the working area and spread using a roller or squeegee to achieve a thickness of 6 mils (300-350 sq. ft. per unit). All areas should be uniformly coated. Coverage will vary depending on surface profile and porosity.
4. In case of small application areas (50-100 sqft), Bonding Agent can be immediately covered by terrazzo. If bigger areas are covered, priming will be a separate step – in which case fine aggregate broadcasting will be required, after which the Bonding Agent full set time will be 6-8 hours.

## 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 system has a 1 year shelf life from the date of manufacture when stored in the above described manner.

**PACKAGING**

TERRAZZCO® Bonding Agent 159 resin part A is packaged in 5 gallon pails. TERRAZZCO® Bonding Agent 159 hardener part B is packaged in 5 gallon pails.

**TECHNICAL SERVICE**

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

**WARRANTY:** TERRAZZCO® products are warranted for a period of one (1) year from the date of purchase. 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 from the date of manufacturing. 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**



**TERRAZZCO®**  
BRAND PRODUCTS

**CONCORD  
TERRAZZO  
COMPANY**

1709 University Commercial Place, Charlotte, NC 28213  
704.921.4928 | [info@terrazzco.com](mailto:info@terrazzco.com) | [www.terrazzco.com](http://www.terrazzco.com)