

TERRAZZCO® EZpour Leveling Fill Epoxy 162

DESCRIPTION

TERRAZZCO® Leveling Fill Epoxy 162 is a 100% solid (VOC free), two-component, epoxy resin system that may be combined with aggregate and applied by trowel to the desired thickness.

ADVANTAGES

- Utilizes renewable resource components
- VOC free for a more friendly environment
- Contributes to higher LEED® credits compared to other epoxy systems on the market
- Manufactured and supplied from the Southeast United States
- Self-priming, no primer needed.

CONSIDERATIONS

- Substrate temperature must be between 55° and 90°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
- All cracks and joints in the concrete must be treated prior to application
- An active vapor barrier must be present under concrete slab
- Concrete slab must be treated with moisture vapor barrier if relative humidity is 80% or higher
- 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® Leveling Fill Epoxy 162 is perfect for concrete surfaces where a uniformly even product is desired. TERRAZZCO® Leveling Fill Epoxy 162 is the superior decision for educational institutions, medical centers, sports facilities, and institutions.

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 5° above the dew point to ensure proper curing of the material. Consult installer for job specific slab conditions for TERRAZZCO® epoxy terrazzo 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 slab is required. Concrete slabs receiving resinous terrazzo flooring must be tested for relative humidity according to ASTM-F-2170 (Relative Humidity in Concrete Floor Slabs using in situ probes) prior to application. Measurements must be made using Wagner Electronics Rapid RH® 4.0 Smart Sensor and Rapid RH® Easy Reader. 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.



TECHNICAL DATA

Cured Resin Properties:

Property	Test Method	Result	NTMA Requirement
Hardness	ASTM D-2240	83.5	60 – 85
Tensile strength	ASTM D-638 Specimen made using "C" die listed in ASTM D-412	9,890 psi	3,000 psi min.
Compressive Strength	ASTM D-695 Specimen B cylinder	13,200 psi	10,000 psi min.
Flexural Strength	ASTM D-790	4,500 psi	NA

System Performance:

Property	Test Method	Result	Requirement
Flammability	ASTM D-635	Self-extinguishing <.25"	Self-extinguishing .25" max. burning
Bond Strength	ACI COM 403 Bulletin 59-43 (pages 1139 - 1141)	400 psi (100% concrete failure)	300 psi (100% concrete failure)

WORKING DATA

Working (Pot) life	40 minutes
Re-coat Time	6 – 8 hours @ 75°F
Full Cure Time	12 – 24 hours

COVERAGE

TERRAZZCO® EZpour Leveling Fill Epoxy 162	Coverage area per mixed gallon
1/4"	18-20 sq. ft.
3/8"	14-15 sq. ft.
1/2"	9-10 sq. ft.

MATERIALS NEEDED

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

MIXING & INSTALLATION

Premix TERRAZZCO® Leveling Fill Epoxy 162 resin part A before use. Mix five (5) parts of TERRAZZCO® Leveling Fill Epoxy 162 resin part A with one (1) part of TERRAZZCO® hardener 162 part B by volume with a slow speed drill until liquids are completely blended. Introduce the appropriate amount of aggregate and continue to mix. For complete installation instructions, contact your TERRAZZCO® representative.

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, installation and curing 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 ignition. 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® Leveling Fill Epoxy 162 resin part A is packaged in 5 gallon pails. TERRAZZCO® Leveling Fill Epoxy 162 hardener part B is packaged in one gallon containers, 5 gallon pails or 55 gallon drums.

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 manufacturer 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 manufacturer 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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