



**TERRAZZCO**  
BRAND PRODUCTS

CONCORD  
TERRAZZO  
COMPANY

# TERRAZZCO® Floor Aid Flexible Membrane 528G

## PRODUCT DESCRIPTION

TERRAZZCO® Floor Aid Flexible Membrane FM 528G is a 100% solids (VOC free), two-component epoxy system based on renewable ingredients derived from a proprietary soy-based formula. It does not contain any ingredients on The Living Building Challenge (LBC) Red List. It is applied to concrete in order to assist with the prevention of substrate cracks transferring through to the finish floor system due to horizontal movement. When used in combination with TERRAZZCO® resin floor system FM 528G provides a crack resistant, resilient and durable floor.

## PRODUCT ADVANTAGES

- Renewable Ingredients
- Free from LBC Red List Ingredients
- Crack resistant -- Flexible yet durable
- VOC free for a healthier environment
- Reduces noise created by mechanical vibrations
- 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.
- Concrete surface must not contain puddles of standing water during application
- Not to be used on concrete less than 28 days old.
- May be used with fibercloth mesh on concrete surface with larger cracks.
- Active vapor barrier must be present under concrete slab.
- 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® Floor Aid FM 528G can be used in industrial, commercial, retail, institutional facilities and healthcare 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 5° above the dew point to ensure proper curing of the terrazzo floor. 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 must be tested for relative humidity according to ASTM-F-2170 (Relative Humidity in Concrete Floor Slabs using in situ probes) before 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 including 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

TYPICAL PHYSICAL PROPERTIES		
Property	Test Method	Result
Tensile Strength	ASTM D-412	1,200 psi
Elongation @ Break	ASTM D-412	120-170%
Adhesion	ACI COM 403	300 psi (concrete failure)
Hardness Shore A	ASTM D-2240	70-80
WORKING DATA		
Working (Pot) Life		40-50 min. @ 75°F
Re-Coat Time		6-8 hours @75°F
Full Set Time		12-16 hours @ 75°F
Full Cure & Maximum Performance		5-10 days

## **MATERIALS NEEDED**

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

## **MIXING & APPLICATION**

1. Premix FM 528G resin part A using a low speed drill and jiffy blade for two to three minutes.
2. For one unit Flexible Membrane 528G (A+B,) add one unit Flexible Membrane 528G hardener (part B) to one unit Flexible Membrane 528G resin (part A). Mix using the drill and jiffy blade for two to three minutes. Materials are supplied packaged so that the entire contents of hardener part B is added to the container of resin part A and mixed in the container.
3. Pour the mixed material onto the working area and spread using a squeegee or trowel to achieve 40 mils dry film thickness yielding 100-130 sq. ft. per unit. Apply more material to areas showing greater penetration and soaking into the substrate.

## **CLEAN UP**

Clean skin with soap and water. Tools and equipment should be cleaned with isopropyl alcohol or mineral spirits before epoxy hardens. Failure to do so will cause the epoxy 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 shall 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 a 1 year shelf life when stored in the above described manner.

## **PACKAGING**

TERRAZZCO® Floor Aid Flexible Membrane 528G resin part A is packaged in a 3.5 gallon container premeasured to contain 1 unit of part A, and TERRAZZCO® Floor Aid Flexible Membrane 528G 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 3.5-gallon pail container.

## 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 manufacturer and distributor, Concord Terrazzo Company 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



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