



**TERRAZZCO**  
BRAND PRODUCTS

CONCORD  
TERRAZZO  
COMPANY

# TERRAZZCO® Vapor Shield (MVS) 601G



## PRODUCT DESCRIPTION

TERRAZZCO® Vapor Shield MVS 601G is a 100% Solids, two component epoxy system designed to seal concrete and reduce moisture vapor transmission through a slab having relative humidity levels between 75% and 95% as measured by ASTM F-2170.

## PRODUCT ADVANTAGES

- Retards moisture vapor transmission rate through concrete.
- Free from LBC Red List Ingredients
- Does not affect surface profile of treated concrete.
- Gives excellent bond to properly prepared concrete.
- Easy application for tight construction schedules.
- Packaged and premeasured for easy mixing at work sites.
- Manufactured in the Southeast USA (Charlotte, NC)

## 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. Depending on the porosity of the concrete, multiple coats of MVS #601G may be required.
- Not to be used on concrete slabs with a relative humidity greater than 95% as measured by ASTM F-2170.
- If relative humidity exceeds 95%, contact Concord Terrazzo Company at 704-921-4928.
- Active vapor barrier must be present under concrete slab.
- Concrete surface must not contain puddles of standing water during application.
- Materials should be allowed to acclimate to controlled application environmental conditions prior to being mixed.

## TYPICAL USES

TERRAZZCO® Vapor Shield MVS 601G can be used in industrial, commercial, retail, institutional facilities and health care 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 cure. 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) before application. Measurements must be made using Wagner Electronics Rapid RH® 4.0 Smart Sensor and Rapid RH® Easy Reader. If measurement readings are obtained in the range of 75% - 95%, TERRAZZCO® Vapor Shield MVS 601G system must be applied to the concrete prior to terrazzo floor application. 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

WORKING DATA	
Working (Pot) Life	30 minutes
Re-Coat Time	8 – 10 hours @ 75°F
Full Set Time	12 – 24 hours
Full Cure & Maximum Performance	5 - 7 days

## **MATERIALS NEEDED**

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

## **MIXING & APPLICATION**

1. Premix TERRAZZCO® Vapor Shield MVS 601G resin part A using a low speed drill and jiffy blade for two minutes at medium speed.
2. Add TERRAZZCO® Vapor Shield MVS 601G hardener part B to TERRAZZCO® Vapor Sheild MVS 601G part A. Resin and hardener are supplied packaged in pre-measured quantities so that the entire contents of hardener part B is poured into the container of resin part A and mixed. Mix using the drill and jiffy blade for two to three minutes at medium speed.
3. Pour the mixed material onto the working area and spread using a squeegee followed by a 1/4 in. nap roller to achieve a thickness of 16 mils (approximatively 300 – 400 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 must 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 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 ignition. 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**

A standard kit of TERRAZZCO® MVS 601G Resin part A is packaged in 3.5 gal pails, and TERRAZZCO® MVS 601G Hardener part B is packaged in 1 gal pails. For non-standard kits, please contact manufacturer.

## 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 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



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