

TERRAZZCO® Moisture Mitigation System (MMS) 950

DESCRIPTION

MMS 950 is a VOC free 2 component epoxy resin cured with an amine curing agent and applied on the top surface of concrete slabs. The coating provides a barrier against moisture vapor transmission for slabs possessing relative humidity measurement greater than 75%. (see application section below for applicable test method). MMS 950 yields approximately 300 - 400 square feet per mixed unit. Coverage is based on porosity of the concrete and may require a second application for very porous surfaces.

ADVANTAGES

- VOC free
- Eco-friendly contributing to LEED® credits
- Easy application for tight construction schedules
- Manufactured in the southeast USA (Charlotte, North Carolina)
- Packaged and premeasured for easy mixing at work sites

CONSIDERATIONS

- Substrate temperature must be between 55°F and 90°F before, during and 72 hours after installation. The surface temperature of concrete must be 5° above the dew point to ensure proper curing.
- The concrete surface must be prepared by shot blasting
- Depending on porosity of concrete, multiple coats of MMS 950 may be required.
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- An active vapor barrier must be present underneath concrete slabs that are below or on grade
- Not to be applied on wet surfaces
- Material must be stored in a temperature and humidity controlled environment
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials

TYPICAL USES

MMS 950 is used to mitigate moisture vapor transmission through concrete slabs having greater than 75% relative humidity when tested according to ASTM F2170. See application section below for more information.

APPLICATION

Do not apply to wet surfaces (no visible water).

Surface Preparation: All work should be performed by trained or 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. Concrete slab must be tested for relative humidity according to ASTM F2170 (Relative Humidity in Concrete Floor Slab using in Situ Probes). Measurements must be made using Wagner Electronics Rapid RH® 4.0 Smart Sensor and Rapid RH® Easy Reader. Consult installer for job specific slab conditions prior to installing TERRAZZCO® epoxy flooring system. Concrete surface must be free of dirt, waxes, curing agents, and any other foreign materials. Concrete surface should be prepared by shot blasting and any repairs to the concrete must be made prior to applying this product. Throughout the application process, the temperature of the concrete should be 55°F to 90°F.



WORKING DATA

	Working (Pot) Life	Re-coat Time	Full Cure Time
MMS 950	30 minutes	5-6 hours @ 75° F	7 days

MATERIALS NEEDED

- Hand mixing drill with jiffy blade.
- Plastic measuring cups capable of measuring at least 1.25 L (0.7 gal.) purchased at local hardware stores.
- Potable water
- Roller, squeegee or brush

MIXING & APPLICATION

1. Pour the pre-measured MMS 950 hardener part B into pre-measured MMS 950 resin part A and mix thoroughly for two to three minutes using a drill equipped with a jiffy blade.
2. Add the 1.25 L (0.33 gal) water and mix for two minutes.
3. 3. Add the 1.25 L (0.33 gal) water and mix for two minutes.
4. 4. Add the 1.25 L (0.33 gal) water and mix for two minutes.
5. 5. Add the 1.25 L (0.33 gal) water and mix for two minutes.
6. 6. Once the mixture has been thoroughly mixed, the product may be applied by roller, squeegee or brush. Apply evenly with no puddles, making sure of uniform coverage. Coverage will vary depending upon porosity of the substrate. Multiple coats may be necessary for very porous surfaces. Allow to cure for 5-6 hours.

CLEAN UP

Thoroughly wash mixing and application equipment immediately after use with water.

SAFETY

Refer to the SDS sheet before using. All applicable federal, state, and local guidelines must be followed as well as any plant safety protocols during the handling, installation and curing of these materials.

MATERIAL STORAGE

Materials should be stored in a temperature and humidity controlled environment and out of direct sun light. The part B hardener is susceptible to freezing. Keep resins and hardeners separated from each other until ready for use. Materials should be kept away from sources of ignition. Materials have a one year shelf life when stored at temperatures of 55°F - 90°F and in their original container.

PACKAGING

MMS 950 is packaged for convenient mixing at the work site
Part A resin is premeasured in 3.5 gal. pail
Part B hardener is premeasured in a 1 gal. can

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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