



## Morricite Primer Product Data

### 100% Solids Epoxy Primer

#### Description

**Morricite Primer** is a 100% solids epoxy primer used to provide an enhanced bond and help penetrate the substrate under terrazzo. The primer may also be used to set strips and may be combined with blended aggregate to patch cracks and level floors at transitions to adjacent substrates.

#### Typical Uses

- As a primer under Morricite Epoxy Terrazzo or other epoxy products.
- Combined with blended aggregate, as a binder for patching divots, non-moving cracks and as a sloping transition mortar.
- As an adhesive for the horizontal leg of angle strips.
- As a sealer for concrete to help protect against damage caused by construction and other types of traffic.

#### Advantages

- **Morricite Primer** is 100% solids for low odor and workplace safety during installation.
- Primer is moisture insensitive.
- Provides excellent penetration and bond to properly prepared substrates.
- Curing time is optimized to allow rapid surfacing with Morricite Epoxy Terrazzo.
- Viscosity is optimized to be poured on horizontal strip leg and penetrate holes.
- When used as a sealer, provides a durable surface for construction traffic.

#### Limitations

- Do not exceed recommended recoat time windows for applying Morricite Epoxy Terrazzo.
- Effective vapor barrier required beneath the substrate in contact with the substrate's underside and detailed at penetrations and perimeter.
- **Morricite Primer** should never be applied over wet substrates.
- Excessive horizontal movement or any vertical movement of sub-floor cracks may transmit through finish.
- Store material in a cool, dry area 50° F to 90° F (10° C to 32° C) away from direct sunlight, flame or other hazards.
- Product is amber in color and is not designed to be used as an aesthetic clear coating.

#### Color

- Clear (light amber).

#### Application

- For priming or sealing, thoroughly mix **Morricite Primer** resin with hardener at a 2:1 ratio and apply by roller, trowel, or squeegee at a rate of 175-250 sq. ft. per gallon, depending on substrate porosity.
- When using as a primer for Morricite Epoxy Terrazzo, prime only amount that can be covered within 3-4 hours. If primer must sit longer than 3-4 hours, lightly seed with 30 mesh sand to enhance mechanical bond.



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- Care should be taken to place terrazzo within recoat time recommended by MTT.
- Ensure adequate ventilation during installation per current OSHA standards.
- When applied as a construction sealer, sprinkle fine aggregate in wet primer to assist with future bond of epoxy terrazzo.
- When using as a patching mortar, first prime substrate with **Morricite Primer**. Then create patching mortar by adding 3-4 parts dry, blended aggregate to 1 part **Morricite Primer**. If cured patching mortar is porous, grout with **Morricite Primer** prior to applying finished floor.

### Surface Preparation

- Surface and air temperatures must be at least 55° F (12° C) during installation and initial cure.
- Surface should be checked for soundness any “hollow” areas removed. Depressions, spalled areas and cracks should be pre-filled with MorriFill or Morricite Primer with aggregate. Prepare concrete substrate to “open” surface pores by means of vacuum shot blasting or with terrazzo grinder, dry with coarse diamond stones with a vacuum unit. Surface preparation results should achieve a CSP3-CSP5 profile according to International Concrete Repair Institute Guideline No. 03732
- Utilize MasterFlex Membrane as a crack treatment or under entire floor to help prevent reflective cracking of Morricite. See MTT’s Concrete Substrate Crack Detailing Guidelines.
- Test concrete substrates according to ASTM F2170 (Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes). Do not install terrazzo or terrazzo accessories until test results are 80% or less RH. If 80% RH is not met, consult MTT for additional drying or negative side moisture mitigation methods.
- Dew point at time of installation must be at least 5° F less than the slab and air temperature.

### Safety

For industrial and professional use **ONLY**.

For detailed safety guidelines, please refer to the product Material Safety Data Sheet (MSDS)

### Typical Physical Properties

Tensile Strength ASTM D 638	2,000 psi (13.8 MPa)
Compressive Strength ASTM C 579	8,000 psi (55 MPa)
Adhesion ACI 503 R	350 psi (concrete failure)
Moisture Vapor Transmission ASTM E96	<1 perm
Solids Content	100%



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PDMP-7-12