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## PRODUCT DATA

### **MorriFill Resin 5805 Part A**

### **Morricite Hardener 23-2147 Part B**

### Epoxy Slope and Fill Mortar

#### **DESCRIPTION**

**MorriFill** Systems are sloping and patching mortars to be used under **Morricite** Epoxy Terrazzo systems and other high performance floors. These systems are composed of economical VOC Compliant epoxy resins blended with durable graded aggregates.

#### **SYSTEM COMPONENTS**

- **MorriFill** Matrix
- **MorriFill** Blended Aggregate
- **Morricite** Primer
- **MasterGard** Moisture Vapor Suppression
- **MasterFlex** Membrane (optional)
- **Morricite** Epoxy Terrazzo

#### **SYSTEM THICKNESS**

Range of 1/8" to 4" thick (.24 cm to 10.16 cm) depending on application and aggregate blend.

#### **TYPICAL USES**

- As a patching mortar to repair deteriorated concrete prior to installing **Morricite** Epoxy Terrazzo.
- As a patching mortar to help level low spots in floors prior to installing **Morricite** Epoxy Terrazzo.
- As a slopping mortar to achieve positive slope to drain prior to installing **Morricite** Epoxy Terrazzo.
- As a fill material for cutouts for expansion joint nosings, drains and other mechanical/electrical items where the floor must be resurfaced with **Morricite** Epoxy Terrazzo within 24 hours to one week.
- As a patching material to rebuild or fill vertical surfaces to accept terrazzo cove base or vertical terrazzo.
- Can be used with metal lath or metal stairs and decks prior to installing **Morricite** Epoxy Terrazzo. Consult MTT for proper surface prep and priming.

#### **ADVANTAGES**

- Higher compressive and tensile strength than cementitious fill materials.
- Low shrinkage lowers the susceptibility to cracking during cure and beyond.
- Single product can be used in multiple thicknesses from 1/8" to 4" just by varying aggregate blend.
- Low odor 100% solids, formula is excellent for use in renovation work in occupied space.
- Epoxy based product is completely compatible with **Morricite** Epoxy Terrazzo and other epoxy based topping systems.

#### **APPLICATION**

- System should be installed only by personnel experienced in epoxy resurfacing or terrazzo.
- Ensure adequate ventilation during installation per current OSHA standards.

#### **COLOR**

Translucent gray or translucent tan.

## LIMITATIONS

- **MorriFill** is not designed to be used as a finished flooring system and should be used only when topped by another floor.
- Effective vapor barrier required beneath the substrate in contact with the substrate's underside and detailed at penetrations and perimeter.
- Movement of sub-floor cracks may transmit through **MorriFill**.
- Material should be stored in a cool, dry area 50° F to 90° F (10° C to 32° C), and away from direct sunlight, flame or other hazards.

## 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. 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.
- Dewpoint 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	4,800 psi (14 MPa)
Compressive Strength ASTM C 579	8,000 – 10,000 psi (55 MPa)
Flexible Strength ASTM C 580	3,200 psi (22 MPa)
Hardness Shore D ASTM D 2240	75 – 80

## WARRANTY INFORMATION

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