

SYSTEM DESCRIPTION

1010 Solid-X Trowelable Epoxy Mortar is a three-component structural repair material from the Versatile Solid-X industrial product line. This repair product can be used to repair floor defects too large for resin-only products, rebuilding curbs and control joints, creating ramps and floor transitions, as well as resurfacing floors. Solid-X Trowelable Epoxy Mortar features an easy-to-use formulation that exhibits fast cure times with a compressive strength greater than concrete.

SYSTEM COMPOSITION

Special proprietary blend of polymers, curing agents, and a structural quartz blend.

PRODUCTS	Coverage Rate
1. 1010 Solid-X Trowelable Epoxy Mortar	0.15 cu ft

SUBSTRATE REQUIREMENTS

CONCRETE

All concrete shall be clean and bare. Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. Substrate and ambient temperatures must be above 35°F during installation of coating. Relative humidity should not exceed 65% during installation of the coating. Environmental conditions must not be near the dew point during installation of the coating.

OTHER SUBSTRATES

Versatile only recommends 1010 Solid-X Trowelable Epoxy Mortar for use over concrete. All other substrates are done at the user's own risk.

ADVICE BEFORE INSTALLATION

MIXING PRODUCTS

1010 Solid-X Trowelable Epoxy Mortar is a three-component epoxy-based mortar material. Due to the thickness of the material a mud mixing drill is recommended for mixing as well as a solid mixing paddle that will not bend and deform during mixing. 1010 Solid-X Trowelable Epoxy Mortar is packaged in a self-contained kit. Upon opening, the A and B prepackaged component can sink through the C component. Cure times will be affected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause excess bubbles or, under-cured material, respectively, in the coating. **Large masses of mixed and/or heated material will have a shortened pot life.**

Open the A component container and pour into your 3.5 gallon bucket with the C component inside. Mix thoroughly until C component is no longer dry. Apply B component and mix thoroughly.

HOT WEATHER TIPS

1010 Solid-X Trowelable Epoxy Mortar has a short pot life in very hot conditions. Keep the material core temperature around 55 - 70°F if possible. icing the buckets hours before doing job or placing in a cool environment the day before application can help by lowering the core temperature.

COLD WEATHER TIPS



1010 Solid-X Trowelable Epoxy Mortar Installation Guide

The 1010 Solid-X Trowelable Epoxy Mortar is temperature sensitive. At colder temperatures, the dry and cure time will be extended. Keep the material core temperature around 55 -70°F if possible.

INSTALLATION STEPS

1. Preparation

Remove any loose concrete from the repair area with a chipping hammer or a steel chisel. Clean the area with a Nyalox style brush, wire brush, or wire wheel, and vacuum the area to remove any dust.

2. Mixing

After removing A component and B component from the kit bucket add the A component to the C component quartz sand blend. Mix thoroughly until the two components have been completely blended and there's no dry spots in the mixture. Add the B component onto the mix and blend thoroughly, pay close attention that the B component has evenly been dispersed into the entire mix.

3. Application

Apply the mixed products into any spalls or floor defects with a margin trowel. Using any solvent lubricate finishing trowel and compress the material into the floor defect needing repair to remove any air gaps in the material and slide the trowel away from material to prevent the material from being pulled up with the trowel. Repeat and apply more material until repair is flush with the floor, excess material can be screeded off with the trowel and set aside for more floor repairs before the material cures. Lubricate your finishing trowel again with your solvent of choice and smoothen the material while putting down pressure to give the repair a smooth finish and allow to dry.

4. Finishing

Once dried, material can be coated over with any Versatile product, keep in mind that for solid color or clear coatings an additional coat might be required. Overfilled material can be ground flush using a diamond segment cup wheel attached to an angle grinder with a dust shroud.

CLEAN-UP

Immediately clean up tools with MEK, Acetone, or other solvent. Clean hands and exposed skin with mild soap and water, and/or citrus-based hand cleaner.

ADDITIONAL CAUTIONS AND RECOMMENDATIONS

- Store material at 50-75°F
- Do not force dry the mixed components of the Solid-X Trowelable Epoxy Mortar.
- Always wear protective clothing, gloves, and equipment as required by OSHA and as necessary.
- Turn off all sources of ignition and follow safety guidelines listed in product sections.
- Please Read all Safety Data Sheets, 2 Component Versatile Chemical Safety Guide, and Individual Product Installation Guides before commencing work.

TECHNICAL SERVICES

- Contact the Technical Services department directly at 714-829-2600.