



TROWELABLE RESURFACING MATERIAL

PRODUCT DATA SHEET: CERAM-FLOOR

Trowelable Resurfacing Material

Description: CeRam-Floor - *Trowelable Resurfacing Material* is a high build (125+ mils / 3125 microns), protective resurfacing system which utilizes 100% solids binder resins and a selected silica sand package to produce a tough and impact resistant resurfacing material that is applied with a hand trowel.

CeRam-Floor - *Trowelable Resurfacing Material* has zero VOCs. It provides a durable, wear-resistant finish.

Components: Part A - Resin System Base
Part B - Resin System Curing Agent
Part C - Silica Sand

Suggested Uses: Fills Holes & Cracks in Concrete Heavy Impact Areas Forklift Areas
Resurfacing old Concrete Floors Loading Docks

TECHNICAL DATA

Number of Coats: One (1)

Volume Solids: 100%

Minimum Dry Thickness: CeRam-Floor *Trowelable Resurfacing Material* may be routinely applied at a minimum thickness of 125 mils (3125 microns). Thickness may be increased as needed.

Coverage: Theoretical coverage of CeRam-Floor - *Trowelable Resurfacing Material* is 13 sq. ft. (1.21 sq. meters) per mixed gallon at 125 mils (3125 microns).

Cure Time: CeRam-Floor - *Trowelable Resurfacing Material* should cure in 12 to 24 hours depending on ambient temperature, mixing and thickness of application. Contact Freecom for more information.

Surface Preparation: **Concrete:** Concrete surfaces shall be cleaned to remove all surface contaminants and laitance. The prepared concrete must have a surface profile equal to 40-60 grit sandpaper. Prepare the surface with a scarifier or by grinding. The substrate should be free of oil, grease and salt/chloride contaminants. Cleanliness is the most important step to produce a surface that will perform or last.

Mixing and Application: Add 2.5 parts Part A (resin base) to 1 part Part B (resin curing agent) by volume. Mix with low speed drill and Jiffler mixer for three minutes and until uniform, exercising caution not to whip too much air into the material. Pour out a five (5) to one (1) ratio by volume of Part C silica sand (use mix of 150 micron [35%], 300 micron [25%], 500 micron [40%] particles) to catalyzed resin on a mixing board and mix with catalyzed resin until wet. Immediately pour the mixed material onto the substrate and pull out using a trowel and work material into cracks or holes. Use CeRam-Kote Thinner 3 when troweling to keep trowel moist.

Level with the existing substrate. Grinding may be required after material has cured. Allow to cure for 10-12 hours. Prior to application of topcoat, CeRam-Floor - *Trowelable Resurfacing Material* must be sealed with CeRam-Floor Primer. CeRam-Floor - *Trowelable Resurfacing Material* may then be coated with CeRam-Floor *Self-Leveling Slurry System* or topcoated CeRam-Kote epoxies or CeRam-Thane products.

Mixing Ratio: Two and one-half (2.5) parts Part A (resin base) to one (1) part Part B (resin curing agent) to five (5) parts recommended Part C (silica sand) by volume. For a drier mix, use six (6) parts Part C silica sand.

Climate: Throughout the application process, substrate temperature should be 50°F - 90°F (10°C - 32.2°C). Substrate must be at least 5°F (3°C) above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible.

Repairs: Call Freecom Technical Support for repair recommendations.

- Shelf Life:** Store materials in a temperature controlled environment 50°F - 90°F (10°C - 32.2°C) and out of direct sunlight. Keep resins, hardeners and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F (10°C - 32.2°C).
- Cleanup:** Clean up mixing and application equipment immediately after use. Use CeRam-Kote Thinner 3. Observe all fire and health precautions when handling or storing solvents.
- Safety:** MSDS (Material Safety Data Sheets) must be read and understood by personnel responsible for supervision and installation of CeRam-Floor materials. In particular, personal protection data should be consulted to insure safe handling. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.
Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state and local codes.
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9/26/03