



PRODUCT DATA SHEET: CERAM-FLOOR PRIMER

Description: CeRam-Floor Primer is an epoxy resin designed to provide a seal coat to unsealed concrete. The resin system has zero VOC's and serves as a primer for CeRam-Floor - *Self Leveling Ceramic Slurry*, or CeRam-Kote epoxies.

Suggested Uses: As a seal coat for concrete

TECHNICAL DATA

Number of Coats:	One (1)
Volume Solids:	100%
Dry Film Thickness:	CeRam-Floor - Primer - may be applied to unsealed floors at a minimum thickness of 2 mils (50 microns). Contact Freecom for coating recommendations.
Coverage:	Theoretical coverage of CeRam-Floor - Primer is 800 sq. ft. (74.32 sq. meters) per gallon at 2 mils (50 microns).
Cure Time:	CeRam-Floor - Primer should cure in eighteen (18) hours at ambient temperature (72°F / 22.2°C) prior to topcoating with CeRam-Floor - <i>Self-Leveling Ceramic Slurry</i> or a recommended topcoat. Contact Freecom for more information.
Surface Preparation:	<p>Concrete: Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete must have a surface profile equal to 40-60 grit sandpaper.</p> <p>After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with system compatible filler. For recommendations, contact Freecom's Technical Support.</p> <p>Unsealed floors must be primed with CeRam-Floor primer. 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.</p>
Mixing and Application:	<p>Add 2.5 parts Primer Component A (resin) to 1 part Primer Component B (curing agent) by volume. Mix with low speed drill and paddle mixer for three minutes and until uniform, exercising caution not to whip too much air into the material.</p> <p><u>Pour mixed primer onto concrete. If catalyzed product is allowed to set inside of supplied paint can, excessive heat build-up will occur.</u> Once this reaction has occurred, the coating will generate so much heat, it could solidify in the can within 15-minutes. Use a flat squeegee to distribute primer with enough material to wet the concrete. DFT will vary depending on surface preparation. Allow eighteen (18) hours to cure prior to applying the CeRam-Floor - <i>Self Leveling Ceramic Slurry</i> or recommended topcoat.</p>
Mixing Ratio:	Two and one-half (2.5) parts Component A to one (1) part Component B by volume.
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 outgassing. 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:	<p>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.</p> <p>Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state and local codes.</p>

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