



ZeraPrime™ 100FS

Fast Setting Epoxy Primer

DESCRIPTION

ZeraPrime™ 100FS is a very fast setting, 100% solids, low viscosity epoxy primer for a dry concrete surface.

WHERE TO USE

ZeraPrime™ 100FS is recommended for use with Zeraus™ epoxy flooring systems. It's low viscosity allows the primer to penetrate deep into the concrete surface to seal the concrete from out gassing.

BENEFITS

- 100% solids, with no offensive odors, zero VOC's
- Fast setting time, ideal for a quick turn around projects
- Excellent adhesion to concrete

Properties @ 23°C (74°F)

Mix Ratio, by volume	2 parts A: 1 part B
Mixed viscosity	.800 cps
Mixed Weight (Density)	1.1 kg/liter (9.1 lb./US gal)
Pot Life	12 minutes
Re-coat time	3 hours
Foot Traffic	8 hours
Vehicular Traffic	12 hours
Full Cure and Maximum Resistance	7 days
Pull Out Tensile Adhesion to concrete (ASTM D4541)	500 psi concrete failure

APPLICATION

SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying ZeraPrime™ 100FS. The substrate must be above 10°C (50°F) and must be free of all dirt, waxes, previously applied coatings, oil, grease, laitance and any foreign matter that may interfere with the bond of the primer to the prepared substrate. Cracks and surface defects should be repaired prior to the application of the primer. All concrete and steel surfaces to be coated should be shot blast or mechanically cleaned to provide a clean tooth for the primer application. If acid etching is the method of choice for preparation of the concrete surface, the etched surface must be thoroughly flushed and dry prior to application of the primer.

MIXING

The mixing equipment used to mix the primer must be clean and free of any contaminants that may be present in the equipment from previously used products. Mix component A first to eliminate the possibility of settlement. Pour all of the liquid from Part A and Part B into the mixing container. A 'Jiffy Mixer' or a mud mixer on a slow speed drill is the preferred method of mixing. Mix the blended components for 2 minutes.

APPLICATION

Pour a workable amount of the mixed primer on to the prepared substrate and spread the material evenly with a flat squeegee. Using a lint free 6 mm nap roller, back roll the applied material to provide an even coat. Care should be taken not to overroll the material as air may become entrapped in the coating.

LIMITATIONS

- Do not apply ZeraPrime™ 100FS if the substrate and ambient temperatures are below 10°C (50°F)
- do not use for exterior applications
- do not apply to damp concrete

COVERAGE

Based on 5 mils thickness per coat:
8 m²/litre (325 ft²/U.S. gallon)

PACKAGING

11 liter (2.9 U.S. gal.) units
56.7 liter (10 U.S. gal.) units

CLEAN UP

Clean all tools and equipment with xylene prior to the material setting.

SHELF LIFE

Two years from the date of manufacture if kept in the original unopened containers under normal heated warehouse conditions.

WARRANTY

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