

ZeraPrime™ W-48FS

Fast- Setting Clear Waterborne Epoxy Primer

Re-coat time.....	5-6 hours
Color	light amber (yellowish)
Full Cure and Maximum Resistance	7 days

DESCRIPTION

ZeraPrime™ W-48FS is a fast setting, clear, two-component waterborne epoxy primer and bonding agent. It is specially formulated based on cutting-edge technology that creates a unique microporous coating that is breathable, and is permeable for water vapor, preventing delamination and blistering. It is the most advanced water-based epoxy primer on the market.

WHERE TO USE

ZeraPrime™ W-48FS is designed primarily as a concrete primer for epoxy coatings as well as other waterborne acrylic or polyurethane coatings. It promotes adhesion to concrete surfaces and allows the concrete to be sealed from outgassing. It can be used on garage floors, slab-on-grade, porches, balcony decks, etc.

ZeraPrime™ W-48FS may also be used as blockfiller to fill surface irregularities on surface exposed to high moisture

BENEFITS

- Virtually odorless; safe and non-toxic
- Excellent blush resistance
- High solids waterborne sealer/primer
- Fast setting for quick turnaround projects
- High permeability-100 times greater than typical 100% solids epoxy flooring
- Excellent adhesion to green concrete after only 7 days of cure
- Excellent bond to damp and dry concrete surfaces
- Cure at low temperatures (down to 5°C)
- Very good early water resistance

Handling Properties @ 23°C (74°F)

Mixing Ratio, by volume	3-part A: 1 part B
Viscosity (mixed), cps.....	200
Solids (by volume).....	48%
Density (mixed)	1.07 kg/litre (8.9 lb./US gal)
Pot Life.....	1 hour

SURFACE PREPARATION

Although new concrete must be cured for a minimum of 28 days before applying any epoxy coatings or primers, ZeraPrime™ W-48FS can be applied as early as 7 days. The substrate is ideally above 12°C (54°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. Concrete 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 dried for 16 hours 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. Combine Part A and B together and mix thoroughly for 2 minutes. A 'Jiffy Mixer' or a mud mixer on a slow speed drill is the preferred method of mixing. Mix the blended components for a minimum of 2 minutes. No induction period is required.

APPLICATION

Pour a workable amount of the mixed coating into a paint tray or the floor and spread the material evenly with a roller. Using a lint-free 9 mm nap roller, apply the material to an even coat. Do not use squeegee to apply the primer. In certain situations, you may want to thin the product for better penetration. It is recommended to add 2% of water after Part A and B are mixed thoroughly.

LIMITATIONS

- Do not use for other than concrete substrates.
- Do not used over wet or saturated surface
- Not recommended for decorative light shade applications.

- Very high humidity with poor air circulation and lower temperatures would greatly slow water release and drying. This may cause haze or low gloss in the final finish.
- Always recommended to be applied in a thin film to avoid roller marks and entrapping water into the cure film.
- Apply only to properly prepared surface.
- Poor water release may result in low gloss or hazy films.
- Although breathable, but excess water in the concrete may cause de-bonding.
- ZeraPrime™ W-48FS is NOT designed to be used as moisture control barrier system to suppress the moisture level prior to the application of epoxy topcoat.
- ZeraPrime™ W-48FS is used on 7 days old concrete, the primer should not be over coated with another breathable coating such as ZeraDur™ W or ZeraGuard™ W.

COVERAGE

7.4 m²/litre (300 ft²/U.S. gallon)

PACKAGING

3.79 litre (1 U.S. gal.) units

15.2 litre (1 U.S. gal.) units

CLEAN UP

Clean all equipment and installation tools immediately with VOC compliant, low odor solvent, xylene.

STORAGE

Store in a heated warehouse. Do not freeze.

SHELF LIFE

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

SAFETY PRECAUTIONS

Read Material Safety Data Sheet (MSDS) prior to use.

WARRANTY

“The recommendations made and the information herein is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Zeraus Products Inc. makes no warranties, expressed or implied, as uses and applications are beyond our control. Zeraus Products Inc. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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