

CIPADITE® PRIMER ST

Fast Setting General Purpose Epoxy Primer

DESCRIPTION

CIPADITE® PRIMER ST is a fast setting, 100% solids, low viscosity epoxy primer for dry substrates only.

WHERE TO USE

CIPADITE® PRIMER ST is recommended for use with CPD® Epoxy flooring systems. Its 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
- easy to apply
- excellent bond to concrete and steel.
- available in clear and a wide range of colors.

Handling Properties

Mix Ratio, by volume	2 parts A: 1 part B
Viscosity (Mixed) @ 23°C (74°F)	500 cps
Solids Content	100 %
Mixed Weight (Density).....	1.1kg/litre (9.2 lb./US gal)
Pot Life @ 23°C (74°F)	12 minutes
Recoat time @ 23°C (74°F)	3 hours
Foot Traffic @ 23°C (74°F)	10 hours
Full Cure and Maximum Resistance	7 days

DATA - Cured Film

Pull Out Tensile Adhesion to concrete	400 psi
(ASTM D4541)	(concrete failure)
Tensile Strength	25 Mpa (3600 psi)
(ASTM D638)	
Tensile Elongation	8%
(ASTM D638)	

The above information is representative of typical values obtained under laboratory conditions. Variations can be expected due to on site conditions and/or other testing methods.

APPLICATION

SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying CIPADITE® PRIMER ST. 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 a **minimum** of 3 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 5 mm nap roller (designed for epoxy and urethane), back roll the applied material to provide an even coat. Care should be taken not to over roll the material as air may become entrapped in the coating.

LIMITATIONS

Do not apply CIPADITE® PRIMER ST:

- if the substrate and ambient temperatures are below 10°C (50°F)
- **do not apply to damp concrete**

COVERAGE

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

PACKAGING

CIPADITE® PRIMER ST is packaged in:
3.79 litre/1 U.S. gal. units
11.4 litre/ 3 U.S. gal. units
56.7 litre/15 U.S. gal. units

CLEAN UP

Clean all equipment and installation tools immediately with CPD® Xylol or Sure Klean® Asphalt and Tar Remover. Read the Safety Data Sheet for this product prior to use.

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

Consult Safety Data Sheet #276 + 276A (Colored), #276B + 276C (Clear) for specific instructions.

WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD® makes no warranties with respect to this product, expressed or implied, including, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD®'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which the CPD® product has been applied. CPD® reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD® shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

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