

PRIME EP100

Solvent Free Epoxy Resin Primer

DESCRIPTION

PRIME EP100 is a high performance, two component, solvent free epoxy resin floor coating. **PRIME EP100** is clear low viscosity epoxy floor primer. The cured film forms a hard coating with excellent adhesion to concrete, and certain metal surfaces

PRIME EP100 complies with British standards BS 476, Part 7: 1971 and BS 5493 - 1971.

USE

PRIME EP100 is used as a base coat for receiving an epoxy floor coating system.

PRIME EP100 is used as a base coat for polyurethane deck floor coating system.

PRIME EP100 is used as a sealer for concrete floors and as a base coat for epoxy floor screeds to provide a more adhesion to surface where high impact is desirable.

PRIME EP100 is used as a dust proof for concrete floors.

PRIME EP100 is used as a top coat for stamp and decorative concrete floors.

ADVANTAGES

- One coat application.
- Penetrating primer.
- High build to use shotblas.
- Excellent adhesion.
- Reduces bubbling and pinholes.
- Easy to apply by roll, brush and airless spray.
- Clear finish coat.



SURFACE PREPARATION

All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be used sponge dried to remove all surface water, then dried. Treat oil or grease contamination should be removed by degreaser followed by water or steam cleaning.

New concrete floors should be at least 28 days and have a moisture content of less than 5%. Excessive laitance should be removed by mechanical method. Dust and other debris should be removed by vacuum cleaning.

Old concrete floors damaged areas or surface irregularities should be repaired by using **EPOMORTAR FC** two component fast curing epoxy mortar (Refer to TDS).

Steel surface should be grit blasted then clean by solvent and kept to dry.

Deep spots or trowel marks should be rubbed down and remove dust and debris by vacuum cleaning then repair it by using **EPOSCREED 10** three component epoxy screed (Refer to TDS.)

MIXING

The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly for at least 3 minutes.

Use of heavy duty slow speed power drill with a jiffy mixing blade. Mix the two components in the quantities supplied taking care to ensure hardener container is scraped clean.

Do not add solvent thinners at any time.

APPLICATION

PRIME EP100 is recommended to apply in one or two coats. **PRIME EP100** can be applied to prepared surface using airless spray, brush or roller.

Ensure that the area is completely coated.

COVERAGE

10.0 m² / liter at 100 microns (WFT) in one coat.

CLEANING

Tools and equipment can be cleaned immediately by using **THINNERCOAT 10** organic solvent.

PACKAGE

5.0, 10.0 liter packs (including base and Hardener)

STORAGE

Product should be stored at 25°C in dry conditions and keeping away from source of flame.

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

Date Revised: 29th Jun 2015

FLAMMABILITY

PRIME EP100 is nonflammable material.

THINERCOAT 10 so do not expose to naked flames during application.

SHELF LIFE

12 months in tightly closed container.

HEALTHY AND SAFETY

The application of material should be in good ventilation and avoid inhalation of the vapors.

Use goggles and vinyl gloves. In case of contact with eyes, rinse immediately with plenty of clean water, do not use solvent and seek medical attention immediately.

The product complies with environmental and occupational health & safety standards ISO 14001 and OHSAS 18001.

TECHNICAL PROPERTIES

Mixed Density	1.0 ± 0.05
Volume Solids ASTM D 2823 - 91	95 % ± 5
Application Temperature	12 °C to 35 °C.
Tack Free Time	2 hours at 35 °C.
Initial Hardness	20 hours at 35 °C.
Pot Life at 35 °C.	40.0 minutes
Full Cure	3 days at 35 °C.
Pull – Off (On concrete) ASTM D 4541 – 85	3.5 N/mm ² (CF)
Abrasion Resistance (ASTM D 1044-85, CS-7 Wheel, 500 gm load)	1000 cycles: < 90 mg
Chemical Resistance:	Gasoline Excellent Petrol Excellent Diesel Excellent Engine Oil Excellent NaOH20% Excellent H ₂ SO ₄ 10% Excellent HCl10% Excellent Acetic 5% Excellent Brake fluid Excellent

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