

ASCOPRIME EP 100

HEAVY DUTY 2 PART EPOXY PRIMER AND SEALER

DESCRIPTION

ASCOPOXY EP 100 is a two-component, a low VOC, solvent free epoxy primer designed for maximum adhesion and corrosion resistance to properly prepared substrates. Can be used as primer as a part of a complete system in atmospheric and immersed environment. It is suitable for properly prepared carbon steel, stainless steel, concrete and galvanized steel. It can also be used as a stand-alone sealer and dust proof coating on concrete floors.

KEY FEATURES

- Solvent free
- Non-sanding
- Excellent adhesion
- Effective barrier coat over many existing finishes (must perform patch test)
- Exhibits excellent mechanical strength
- Maximum corrosion resistance
- Easy to use brush, roller or spray application

RECOMMENDED APPLICATIONS

ASCOPRIME EP 100 is ideally suited for any commercial or residential area, It can be used with both epoxy and urethane floor coverings. Typical applications for bonding granolithic floor toppings such as cement-sand screed, mortars and epoxy screed which include warehouses, manufacturing facilities, warehouses, automotive showrooms, garage floors etc. Application to consolidate inconsistent or weak substrates. Can use at internal and external applications.

TECHNICAL DATA

Appearance	: Part A – Resin ; Part B – Liquid Hardener
Mixing Ratio	: 2:1
Pot life	: 45-60 min
Bulk Density	: 1.0 Kg/L
Compressive Strength	: 50.0 N/mm ² (ASTM D 695)
Shear Bonding Strength	: 5 N/mm ² (ASTM C 190)
Dry Film Thickness	: 40 – 80 micron
Wet Film Thickness	: 60 – 100 micron
Theoretical Spreading Rate:	4 to 5 m ² /Kg

PRECAUTION

Do not apply on dusty substrates.
Do not use on damp surfaces.
Do not dilute it with thinner, solvents or water.
Do not apply on surfaces subject to capillary-action rising damp.

SURFACE PREPARATION

The substrate must be clean, dry, sound and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder an adhesion. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Concrete must be allowed to cure for 28 days and cement render and cement screeds must be allowed to cure for 7 days prior to the application of **ASCOPRIME EP 100**. Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

MIXING

Mix two components together ,i.e., Part A (resin paste) and B (thick liquid hardener) are packed in two separate containers, in predetermined mixing proportion by weight. The whole quantity of component B is added into component A. Mixing of the 2 components should take place for approx. 5 minutes, using a electric mixer (300 - 400 rpm). It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener. Do not over-mix; over-mixing will cause the epoxy to flash set.

APPLICATION METHOD

ASCOPRIME EP 100 can be applied by brush, roller or spray.

Brush: Use a stiff nylon medium bristle brush

Roller: Use a 3/8" phenolic core roller

Spray: Conventional spray / Airless Spray

For best results leave to dry for 12 hours. If the primed surface is left for longer than 24 hours it may lose its tack and may require a repeat application.

CURING

Optimum performance level is reached after 48 hours of curing.

CLEANING

Clean skin with soap and water. Tools and equipment should be cleaned with solvent thinners.

SAFETY GUIDELINE

- Use protective items while using **ASCOPRIME EP 100**
- If come in contact with eyes, immediately wash eyes with plenty of water and seek medical advice.

(Material Safety Data Sheets are available through company representative)



PACKAGING

ASCOPRIME EP 100 is available in packages of 30 kg in pre-determined mixing proportion by weight.

SHELF LIFE

24 months from production date if stored in original, unopened packaging, in places protected from moisture, sun exposure and frost.