



PRIME EPS40

Solvent Base Epoxy Resin Primer Coat

Composition and Application Field

PRIME EPS40 is two component, solvent based epoxy resin floor coating. PRIME EPS40 is an economical clear low viscosity epoxy floor primer. The cured film forms a hard coating with excellent adhesion to concrete, and certain metal surfaces. **PRIME EPS40** complies with British standards BS 476, Part 7: 1971 and BS 5493 - 1971.

Advantages

- One coat application.
- Penetrating primer.
- High build to use over mechanically prepared substrates (i.e. shotblast).
- Excellent adhesion.
- Reduces bubbling and pinholes when coating porous substrates.
- Easy to apply by roll, brush and airless spray.
- Clear finish coat.
- Cost saving

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 Method

PRIME EPS40 is recommended to apply in one or two coats. PRIME EPS40 can be applied to prepared surface using airless spray, brush or roller. Ensure that the area is completely coated.

Package

1, 5 USG packs (including base and Hardener)

Technical Properties

Test	Result
Mixed Density	1.0 + 0.05
Volume Solid ASTM D 2823 - 91	40 % ± 2
Application Temperature	12°C to 35°C
Tack Free Time	1 hours at 35°C
Initial hardness	20 hours at 35 °C.
Pot Life	1.0 hours at 35 °C.
Full Cure	3 days at 35 °C
Pull-Off (On concrete) ASTM D 4541 - 85	3.5 N/mm ² (CF)

Storage and Shelf Life

Product should be stored at 25°C in dry conditions. 12 months in tightly closed container.

Flammability

PRIME EPS40 and **THINERCOAT 10** are flammable materials, so do not expose to naked flames during application.

Health 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.

Coverage

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

Cleaning

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