

FLOORBOND PRIME

Two Components Non-Fillerised Epoxy Based Primer



SCOPE

A two component non-Fillerised Epoxy based primer cum sealer. It ensures excellent penetration and sealing of concrete. It is formulated to provide fast thin film cure with absence of amine blush under low temperatures and high humidity.

USES

Application of FLOORBOND PRIME is recommended for all industrial floors; clean rooms, parking bays, show rooms etc. where Epoxy self-leveling Floor Coating systems are to be used over concrete surfaces.

ADVANTAGES

- Good adhesion to concrete.
- Fast film cure and overcoat time.
- Good corrosion resistance.
- Good low temperature cure.

TECHNICAL DATA

PROPERTIES	RESULTS
Type	Two Packs
Composition	Epoxy cured with suitable polyamide hardener
Colour	Colorless
Application	Brush or Roller
DFT	30- 40 μ per coat
Volume Solid	65 \pm 2 %
Mixing Ratio	2:1 (w/w)

Pot Life	30 minutes @ 30°C
Theoretical Spreading Rate	0.2 to 0.3 Kg/ m2 [depends on surface porosity]
Drying Time	Surface dry: 6 hrs. Hard dry: 16 hrs. Full cure: 7 days
Overcoating Interval	minimum 24 hrs.

SUBSTRATE PREPARATION

The concrete substrate must be completely cured, dry, structurally sound, and clean. It should be free from contaminants like curing agents, sealers, oils, grease, dust, salts, and similar substances. The preparation of the concrete should follow the SSPC SP 13 standard, ensuring the removal of contaminants, laitance, loose concrete, and dust through mechanical, chemical, or thermal methods. Any weak concrete must be removed, and all voids or dents need to be repaired. The cohesive strength or pull-off strength of the concrete should be at least 1.5 N/mm², and the compressive strength should meet a minimum of 25 N/mm². Cracks, dents, and voids, depending on their size and depth, should be filled with epoxy putty or epoxy mortar after priming. If necessary, surface leveling can be done using a floor screed with a thickness between 3 mm and 5 mm.

APPLICATION GUIDELINES

Substrate temperature should be between 15°C-35°C. Relative humidity during application should not be more than 80%. Substrate moisture content should be lower than 5%. The two packs consisting of base and Hardner should be mixed in the ratio of 2:1 (w/w), by adding the contents of Hardner to the base with a slow speed stirrer and obtain a homogeneous mix. No thinning has to be done for application of primer. Application is suggested by brush and to ensure primer is forced to all pores of concrete by hard brush application. For highly absorbent surface a second coat of primer may be required; consult HighBond Coatings technical team.

PACKING

(30 Kgs Kit Packing): (Resin – 20 kg.) + (Hardner – 10 kg.)

STORAGE & SHELF LIFE

Up to 9 months as long as the sealed containers are kept in a cool dry place (10°C to 35°C) and in original unopened container.

PRECAUTIONS

All existing expansion joints, movement joints should be followed through the new floor surface. Joint sealant and geometry should be compatible with the applied floor type. Ensure substrate free of contaminants and solvents after surface preparation. As a general precaution forced ventilation should be provided when applying coating in confined spaces. Inhalation of solvent vapors, or coating mist and contact with skin or eyes should be avoided. Safety precautions as with any epoxy compounds should be adhered. Refer MSDS and health and safety guidelines.

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