

MASTERTOP™ 1200 PLUS Primer

Solvent free, two component epoxy resin based primer

Description

MASTERTOP 1200 PLUS Primer is a solvent free, low viscosity, two-component epoxy resin based primer.

Uses

MASTERTOP 1200 PLUS Primer is designed for use as a primer on mineral substrate such as concrete and cementitious screed with MASTERTOP floor coating systems. In on-grade applications, a dampproof membrane must be installed and known to be effective.

Advantages

- Low viscosity
- Easy to apply
- Excellent penetration
- Seals pores and capillaries
- Excellent bond to substrate

Typical Properties

Mixed density	: 1.07 g/cm ³ at 25°C
Mixing Ratio, by weight	: 2(base) : 1(hardener)
Volume Solids	: 100%
Max. service temperature	: 60°C
Pot life	: 60 Minutes at 25°C : 20 Minutes at 40°C
Tack free	: 16 Hours at 25°C : 12 Hours at 40°C
Overcoating times:	: 12 Hours (min) : 48 Hours (max)
Adhesion bond strength to concrete (ASTM D4541)	: > 2 MPa (concrete failure)

Specification Clause

The epoxy primer shall be MASTERTOP 1200 PLUS Primer, 100% solid, 2-component system. The primer shall be fast drying type with tack free time not exceeding 16 hours at 25°C and 12 hours at 40°C. The primer shall exhibit excellent bond strength by exceeding adhesion of 2 MPa as per ASTM D 4541 testing.

Directions for use

Temperature Requirements

- Substrate temperatures: 15°C – 35°C
- Material temperatures: 15°C – 30°C

Very low or very hot temperatures will make application more difficult and careful consideration should be given to storage of materials. In the cold weather conditions, pre-condition materials by keeping it in a heated room. In hot weather conditions, some form of air-conditioned storage is required. Pre-conditioned materials at 20-25°C will

reduce the possibilities of flash/slow setting and other defects.

Surface Preparation

All substrate (new and old) must be structurally sound, dry and free from laitance and loose particles. Clean floors of oil, grease, rubber skid marks, paint stains and other adhesion impairing contaminants. Mechanical surface profiling by grit or shot blasting, grinding or scarifying are the preferred floor preparation methods.

After surface preparation the adhesive bond strength of the substrate should exceed 1.5 N/mm². The residual moisture content of the substrate must not exceed 4%. A damp proof course must have been properly installed and intact.

Mixing

MASTERTOP 1200 PLUS Primer is supplied in working packs which are pre-packaged in exact ratio. Pour the entire contents of part B into the container of part A. DO NOT MIX BY HAND. Mix with mechanical drill & paddle at a very low speed for at least 3 minutes. After proper mixing to a homogeneous consistency pours the mixed parts A and B in to a fresh container and mix for another minute.

Application

MASTERTOP 1200 PLUS Primer should be applied when the ambient temperature is constant or falling as this will decrease the risk of bubble formation due to expansion of air that is enclosed in the concrete. Apply using a medium nap roller ensuring a complete coverage without holidays. If after drying, the surface appears patchy due to high absorption, recoat the primer.

At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time & curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly.

After application, the material should be protected from direct contact with water for approx. 24 hours.

Coverage

Coverage rates will vary according to the nature of the substrate.

1 Kg primer shall cover 5 – 8 m² and provide average 100 microns DFT, depending upon the porosity of the substrate.



The Chemical Company

Packaging

MASTERTOP 1200 PLUS Primer is supplied in 1kg and 5kg pack.

Storage and shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advices consult BASF's Technical Services Department.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumables such as food stuff & water. For further information refer to the material safety data sheet. MSDS is available on demand or on BASF construction chemicals web site.

Note

All BASF Technical Data Sheets are updated on regular basis; it is the user's responsibility to obtain the most recent issue.

Field services where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

Disclaimer

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BASF India Limited

Construction Chemicals Division

Plot No.37, Chandivali Farm Road, Chandivali ,Andheri(East)
Mumbai – 400072 India
Tel: +91 22 28580200, Fax: +91 22 28478381
e-mail: basfcc@vsnl.net www.basf-cc.co.in Page 2 of 2

