

GP PRIME 200

EPOXY PENETRATING PRIMER

Description

Two component air drying Epoxy based clear primer with Polyamide as curing agent.

Recommended Use

This product is recommended as penetrating primer on bare concrete, wooden substrate prior to application of subsequent coating system.

Physical Data

COLOUR	: Clear
FINISH	: Smooth & Glossy
SOLIDS BY VOLUME	: 50 ± 3%
THEORETICAL SPREADING RATE	: 20 sq.mt. /ltr. at a recommended DFT of 25 μ
FLASH POINT	: Base : Above 23°C Hardener : Above 23°C
DRYING CHARACTERISTICS (At 65% Relative Humidity & at 30°C)	: SURFACE DRY : 45 - 60 minutes HARD DRY : Overnight FULL CURE : 7 Days
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

Thorough surface preparation is vital. For best results, GP recommends mechanical preparation techniques (Eg. mechanical scarifying, grit or sand sweeping),

a) New Concrete Surface:

New concrete surface should be at least 28 days old and/or have moisture content of less than 5% before proceeding with primer application. Laitance and deposits on new concrete are best removed by light grit blasting, mechanical scarification or grinding. Acid etching may be considered for smaller areas, after etching the floor, it should be thoroughly washed with clean water, and then allowed to dry.

b) Old Concrete Floors:

Mechanical cleaning methods are strongly recommended on old concrete surfaces, particularly their heavy contamination by oil and grease has occurred or old coatings is present. To ensure good adhesion, all contaminants are removed and the surface thoroughly cleaned of all dust and loose debris. A thorough detergent wash is also recommended followed by thorough cleaning with water and mopping it off to a dry state.

Application Data

MIXING RATIO	: Base : Hardener - (As per our recommendations)
APPLICATION	: By Brush / By Conventional Spray / By Airless Spray
THINNER	: Type 002
POT LIFE	: 6 hours min at 30°C
RECOMMENDED DFT	: 25 - 30 microns. Apply sufficiently to fill the pores and form a thin layer.
OVERCOATING INTERVAL	: MIN : 8 hours MAX : 24 hours
COMPATIBILITY	: Compatible with Epoxy, PU, and Chlorinated Rubber Finish paints



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Application Method

Stir the Base part thoroughly. Mix the base and hardener as per our recommended ratio, by volume. Stir the mix gently to attain homogeneity. Add Thinner Type 002 into the mix, if required, depending on application method, and stir gently for few minutes. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. Strain the paint through Nylon filter cloth of 200 mesh size and apply uniformly over the surface. All equipments used for above should be properly clean.

Application : By Brush / By Conventional Spray / By Airless Spray

For Brush application, generally no thinner is required to be added. Apply uniformly in criss-cross manner and ensure there are no misses. Use quality brushes for paint application.

For Conventional Spray application :

Thinner : Type 002

Addition : 10-15%

Nozzle Orifice : 1.2 - 1.4 mm

Nozzle Pressure : 40-70 p.s.i.

For Airless Spray application :

Thinner : Type 002

Addition : Max 5% if required

Nozzle Orifice : 0.28 mm - 0.38 mm

Nozzle Pressure : 1400-1800 p.s.i.

Additional Information

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following section of Grand Polycoats' latest Data manual :

- Guide to Product Data Sheet
- Surface Preparation Details
- Paint Application Details
- MSDS

Notes

1. Do not apply paint when temperature falls below 10°C or rises above 50°C and when Relative Humidity is above 85%. Do not apply during rain, fog or mist. Surface temperature must always be minimum of 3°C above Dew point.
2. Brushes and spray equipment should be cleaned with GP's recommended thinner otherwise equipment is liable to be damaged.
3. DFT variation can be obtained by change in application method / thinning ratio. Contact Grand Polycoats representative for further assistance.
4. Shelf life indicated is minimum for this Product in sealed conditions and it is subject to re-inspection thereafter. Individual component is required to be stored in cool, dry and covered condition, away from heat and ignition.

Health & Safety

This is a solvent based paint and care should be taken to avoid inhalation of spray or eyes. Mist or vapours as well as contact between the wet paint and exposed skin

Limitation of Liability

To the best of our knowledge, the technical data in our literature are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. We make no other warranty or guarantee of any kind, express or implied, including merchantability and fitness for particular purpose. Liability, if any, is limited to replacement of the product or refund of the purchased price. Labour or cost of labour and other consequential damages are hereby excluded.



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