

# GP PRIME FC-708

## SOLVENTLESS EPOXY CONCRETE CLEAR PRIMER

### Description

Two-Component Air-Drying solventless Epoxy based Coating.

### Recommended Use

This product is recommended as a primer on bare/new concrete substrate prior to application of subsequent coating system such as in Engineering and shop floor as well as inside/outside of RCC storage tanks, beams and columns, silos, effluent treatment plant, storage pits, terraces, etc.

### Physical Data

COLOUR	: Clear, amber colored viscous liquid
FINISH	: Glossy
SOLIDS BY VOLUME	: 98 ± 2 %
THEORETICAL SPREADING RATE	: 19.5 sq.mt./ltr. at a recommended DFT of 50 $\mu$
FLASH POINT	: Base : 23° C Hardener : 23° C
DRYING CHARACTERISTICS (At 30° C and 65% Relative humidity)	: SURFACE DRY : 4 hr TACK FREE : 6 - 7 hr HARD DRY : 24 hours 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, grinding or acid etching. After etching the floor, it should be thoroughly washed with clean water, and then allowed to dry.

#### b) Old Concrete Floors:

Again, mechanical cleaning methods are strongly recommended on old concrete surfaces, particularly their heavy contamination by oil and grease has occurred or old coatings are present. This may well have been absorbed several mm deep into the concrete. To ensure good adhesion, all contamination should be 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 recommendation)
MATURATION TIME	: 10 minutes
POT LIFE	: 40-60 minutes min at 30°C.
APPLICATION	: By Brush /By Conventional Spray /By Airless Spray
THINNER	: Type 002
RECOMMENDED DFT	: 50 - 100 $\mu$
OVERCOATING INTERVAL	: Primer shall be near "Tack free" before applying solvent less epoxy or GP Tough Guard 5000 / 1000 coating. This can be checked, by pressing a paper napkin against the primed surface. If the paper napkin does not stick to the primed surface, a topcoat should be applied thereafter. For the time gap of more than 3 hours after "Tack free" condition, it is recommended that the surface is scuffed & re-primed, before the



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topcoat is applied. It should be noted that "Tack free" time can vary depending on surface / ambient temperature and relative humidity.

Over night re-coating interval is recommended for all solvent containing Epoxy/Polyurethane topcoats.

#### COMPATIBILITY

: Can be top coated with range of Epoxy & Polyurea/Polyurethane topcoats.

### Application Method

Stir both the containers thoroughly. Mix the base and hardener as per our recommended ratio, by volume. Stir the mix gently to attain homogeneity. Allow the mixture to stand still (maturation) for about 10 minutes to initiate the reaction. All equipments used for above should be properly cleaned.

Application: By Brush / By Spray / By Roller

Generally no thinner is required for Brush application, Apply in criss-cross manner and ensure the uniformity of application. Use quality brushes for paint application.

### 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 Sheets
- 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%, or 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. Products with different volume solids are also available on requests.
4. DFT variation can be obtained by change in application method. Contact Grand Polycoats' representative for further assistance.
5. 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 mist or vapours as well as contact between the wet paint and exposed skin or eyes.

### 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.