

GP SUPERGUARD GLASS-FLAKE

GLASS-FLAKE EPOXY COATING

Description

Two component, air drying, high solids, high build Epoxy coating reinforced with Glass-flake for enhanced durability and corrosion resistance. The product has the advantage of epoxy resin composition with specialty pigments like glass-flakes, which facilitates high build application for high performance, as barrier coat.

Recommended Use

It is mainly used as intermediate, finish coat and sometimes as self-priming coat on properly prepared surface. An excellent maintenance coating for offshore and onshore installation subject to highly humid and saline condition. Uses include steel structures in Industrial plants, bridges, tank exteriors, oil tanks, pipelines, marine atmosphere, cooling towers, etc. It has good resistance to spillage and fumes of acids, alkalis, fresh and salt water.

Physical Data

COLOUR	: Selected Industrial shades of Grey
FINISH	: Satin to Semi gloss
SOLIDS BY VOLUME	: $88 \pm 3\%$
THEORETICAL SPREADING RATE	: 5.86 sq.mt /ltr at recommended DFT of 150μ
FLASH POINT	: Base: Above 25°C Hardener: Above 25°C
DRYING CHARACTERISTICS (At 30°C and 65% Relative humidity)	: SURFACE DRY : 4 hour HARD DRY : 24 hour FULL CURE : 7 Days
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

The performance of this product will depend upon the degree of surface preparation. Remove all loose rust, scales, moisture, grease or other contaminants from the substrate by solvent cleaning, scraping, chipping, emery paper scuffing, wire brush, etc, to achieve St-2/St-3 grade of surface cleanliness as per Swedish Standards. Soluble salt should be removed by fresh water washing.

Abrasive Blast Cleaning

Abrasive blasting to minimum Sa 2.5 Swedish Standards is must with a roughness profile of 50 - 75 microns. The surface should be absolutely dry, oil and salt free before application of the coating. The coating should be applied preferably immediately or within 4 hours after blasting for best performance. In case it is extended; the surface should be cleaned, by sweep blast, to remove any flash rust that may have formed.

Application Data

MIXING RATIO	: Base: Hardener - As per our recommendation
APPLICATION	: By Brush / By Airless Spray
THINNER	: 002
POT LIFE	: 45 - 60 minutes min at 25°C
RECOMMENDED DFT	: $150 - 200\mu$
OVER COATING INTERVAL	: MIN : 8 hours MAX : 24 hours
COMPATIBILITY	: Compatible with Epoxy, PU Finish paints.

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. Allow the mixture to stand still (maturation) for about 10 - 15 minutes to initiate the reaction. Add Thinner Type 002 into the mix, depending on application method, and stir gently for few minutes. Strain the paint through Nylon filter and apply uniformly over the surface. All equipments used for above should be properly clean. (Thinner 003/006 to be used if applied over old Oleo resinous coating)



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

Generally no thinner is required for application by Brush, However, under adverse environmental conditions; about 5% of thinner, by volume, can be added. Apply evenly in criss-cross manner and ensure the uniformity. Use quality brushes for paint application. It is suitable for small area only. Typically 75-100 micron can be achieved. It may be necessary to apply multiple coats to achieve the total specified system D.FT

Maximum film build in one coat is best attained by airless spray. When applying by methods other than airless spray, the required film build is difficult to achieve. Application by air spray may require a multiple cross spray pattern to attain maximum film build. Low or high temperature may require specific application techniques to achieve maximum film build.

For Conventional Spray application:

Thinner : Type 002
Addition : 5-10%
Nozzle Orifice : 3mm
Nozzle Pressure : 40-70 p.s.i

For Airless Spray application:

Thinner : Type 002
Addition : Max 5%, if required.
Nozzle Orifice: 0.53 - 0.79 mm
Nozzle Pressure : 3000-3200 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. Volume solids would vary depending on shades Products with different volume solids, different qualities is also available on requests.
3. DFT variation can be obtained by change in application method. 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 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.



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Grand Polycoats Co.Pvt.Ltd. 204, Siddharth Complex, R.C. Dutt Road, Vadodara - 390007, (Gujarat) India.

Tel.: +91-265-3064200 / 3064201 Fax: +91-265-2337022

E-mail: marketing@grandpolycoats.com Website: www.grandpolycoats.com

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