

GP SEAL CAST

SPECIAL POLYMER BASED CASTING SEALER

Description

A unique product specially designed to perform as sealer for cast iron components.

Recommended Use

It is recommended as a Sealer for casting ferrous surfaces or as a primer coat on steel structure in Machine Tool industry, pumps, heavy structures, structural steel in chemical industries, etc.

Physical Data

COLOUR	: Red & Selected Shades
FINISH	: Matt
SOLIDS BY VOLUME	: 40 ± 2%
THEORETICAL SPREADING RATE	: 13.33 sq.mt./ltr at recommended DFT of 30 μ
FLASH POINT	: Above 23°C
DRYING CHARACTERISTICS (At 30°C & 65% Relative Humidity)	: SURFACE DRY : 10 - 15 minutes HARD DRY : 24 hours. FULL CURE : 7 Days
SHELF LIFE	: 6 months

Surface Preparation

Sand blasting to Sa2 1/2 is the recommended method of surface preparation, before application on casted / machined ferrous/ MS parts.

If it is not feasible, then the surface should be roughened by emery scuffing, wire brushing etc. to St-2 / St-3 level of surface cleaning. In all the cases, surface should be free from loose paint, oil, grease, dust/dirt etc and should be absolutely dry. Solvent wipe is essential before paint application. Phosphating is also recommended surface preparation method.

Application Data

APPLICATION	: By Conventional Spray
THINNER	: Type 003 / 006
RECOMMENDED DFT	: 30 - 35 μ .
OVERCOATING INTERVAL	: MIN : 16 hours MAX : Indefinite
COMPATIBILITY	: Compatible with oleo resinous, chlorinated rubber paints, modified acrylic coatings & selected Polyurethane topcoats after 48hrs of drying. Check with GP's representative for more details on compatibility.

Application Method

Stir the paint thoroughly. Add Thinner Type 003 into the mix, if required, depending on application method, and stir vigorously for few minutes. Strain the paint through Nylon filter and apply uniformly over the surface. All equipments used for above should be properly clean. Brushing should be restricted to smaller areas & for touch ups.



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Application: By Conventional Spray

For Air Spray application:

Thinner: Thinner 003 / 006

Addition: 5 - 15%

Nozzle Orifice: 1.2 - 1.5 mm

Nozzle Pressure: 45 - 55 psi.

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, when Relative Humidity is above 85%. & During rain, fog or mist. Surface temperature must always be minimum of 3°C above Dew point.
2. 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. Dipping variety is also available on request.
5. Shelf life indicated is minimum for this Product in sealed condition 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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