

# GP SIL HR 632 (400°C)

## HEAT RESISTING PAINT

### Description

Single pack silicone resin based heat-resisting coating containing heat stable pigment.

### Recommended Use

The product has resistance to dry heat up to 400°C. It is recommended for use on exteriors of Chimneys, Stacks, Ovens, Silencers and any other metal surface exposed to dry heat attack.

### Physical Data

COLOUR	: Aluminum & Black
FINISH	: Smooth and Lustrous
THEORETICAL SPREADING RATE	: 7 sq.mt. /ltr. at a DFT of 20 $\mu$
FLASH POINT	: Above 23°C
DRYING CHARACTERISTICS	: SURFACE DRY : 1 - 2 hours
(At 30°C and 65% Relative humidity)	: HARD DRY : Can be achieved by heat cure/stoving at 180° C for 30mts
SHELF LIFE	: 6 months

### Surface Preparation

Blast cleaning to Sa 2 1/2 Swedish specifications. In case it is not feasible, then manual cleaning by mechanical methods like wire brush, emery paper, hand / power tools, etc. to achieve St-2 / St-3 cleaning standards of Swedish specification. The surface should be free from moisture, oil, dust and dirt and should be absolutely dry before painting.

### Application Data

APPLICATION	: By Brush /By Conventional Spray
THINNER	: Type 003 /006
RECOMMENDED DFT	: 15 - 20 $\mu$
OVERCOATING INTERVAL	: MIN : 24 hours : MAX : Indefinite
COMPATIBILITY	: Not to be top coated by any other paint except self.

### Application Method

Stir the paint thoroughly but gently to attain homogeneity. Then strain the paint through Nylon filter and apply uniformly over the surface. All the equipments should be thoroughly clean when used for painting.

Application: By Brush /By Conventional spray

For Brush application, usually no thinner is required to be added. Use quality brushes for paint application. Brushes made up of hog bristles are highly recommended. Size of the brush should be in proportion to the work in hand. Large size brushes (100-125 mm) for large areas and small brushes (25-50mm) for narrow areas should be used.



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**For Conventional Spray application**

Thinner: 003 /006

Addition: 5 - 15%

Nozzle Orifice: 1.2 -1.5 mm

Nozzle Pressure: 45 - 55 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 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%, do not apply during rain, fog or mist. Do not apply on hot surface (above 45°C). Surface temperature must always be minimum of 3°C above Dew point.
2. Proper curing of the product is essential, for 'Heat resistance' characteristic, to be developed. There should be gradual heat up of the painted part.
3. This product is to be applied directly on the metal. Primer is to be applied only if essential. No primer, other than, Inorganic Zinc silicate primer (GP prime 402), is acceptable under this coat.
4. Brushes and spray equipment should be cleaned with GP's recommended thinner otherwise equipment is liable to be damaged.
5. Quick drying variety is also available on request.
6. Shelf life indicated is minimum for this Product in sealed condition and it is subjected to re-inspection thereafter. Individual component is required to be store 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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R: 01 / 06: 08 This supersedes all earlier versions of this product data sheet.



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