

# GP PLAST PS 901

## POLYURETHANE PRIMER

### == Description

Two-component air-drying polyurethane based primer.

### == Recommended Use

It is recommended as a primer for certain plastics in OEM applications.

### == Physical Data

|   |  |
|---|--|
| COLOUR  | : Grey   |
| FINISH  | : Matt   |
| SOLIDS BY VOLUME  | : 40 ± 3% depending upon shades  |
| THEORETICAL SPREADING RATE                                    | : 13.33 sq.mt. /ltr. at recommended DFT of 30 $\mu$                      |
| FLASH POINT   | : Base : Above 23°C Hardener : Above 23°C                                |
| DRYING CHARACTERISTICS<br>(At 30°C and 65% Relative humidity) | : SURFACE DRY : 30 minutes<br>HARD DRY : Overnight<br>FULL CURE : 7 Days |
| SHELF LIFE  | : BASE : 6 months HARDENER : 6 months                                    |

### == Surface Preparation

Scuff the surface uniformly with 400 no emery paper. Clean the substrate with Thinner 090 Cleaning Thinner, so that mould releasing agent and other impurities are removed from the surface. For Cleaning used Muslin Cloth (i.e. cloth without starch or linters).

### == Application Data

|                      |   |
|----------------------|---|
| MIXING RATIO         | : Base : Hardener (As per our recommendation)   |
| APPLICATION          | : By Brush / By Conventional Spray / By Airless Spray                                       |
| THINNER              | : Type 001  |
| POT LIFE             | : 6 hours min at 30°C   |
| RECOMMENDED DFT      | : 30 - 40 $\mu$   |
| OVERCOATING INTERVAL | : MIN : 8 hours<br>MAX : 24 hours   |
| COMPATIBILITY        | : Can be top coated with Epoxy, Polyurethane, Chlorinated rubber and Alkyd finish coatings. |

### == 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 001 into the mix, if required, depending on application method, and stir gently for few minutes. Strain the paint through Nylon filter cloth and apply uniformly over the surface. All equipments used for above should be properly clean.

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



Perfection in  
Protection

**ISO 9001**  
**ISO 14001**

Generally no thinner is required for Brush application, however under adverse environmental conditions about 5% of thinner, by volume, can be added. Apply evenly in criss-cross manner and ensure the uniform application. Use quality brushes for paint application.

#### For Conventional Spray application:

Thinner: Type 001

Addition: 5 - 15%

Nozzle Orifice: 1.2 - 1.4 mm

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

#### For Airless Spray application:

Thinner: Type 001

Addition: 5 % If required

Nozzle Orifice: 0.28 - 0.37 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 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. 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 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 vapour 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.



Perfection in  
Protection

**ISO 9001**  
**ISO 14001**

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](mailto:marketing@grandpolycoats.com) Website: [www.grandpolycoats.com](http://www.grandpolycoats.com)

R: 01 / 06: 08 This supersedes all earlier versions of this product data sheet.