

GP PU MASTIC	
SURFACE TOLERANT HIGH BUILD POLYURETANE COATING	
DESCRIPTION	A two component, air drying, high solids, acrylic aliphatic polyurethane coating providing excellent durability, corrosion resistance coupled with excellent exterior durability.
RECOMMENDED USE	It is mainly recommended as one coat direct to metal finish. It is ideal for corrosive environment of C3 category as per ISO 12944 classification. Ideal for applications like Transportation industries, non critical steel parts, components of heavy equipment, steel structure. It is not recommended for immersion services.
PHYSICAL DATA	
COLOUR	Selected Industrial shades
FINISH	Semi glossy
SOLIDS BY VOLUME	57 ± 2%
Theoretical Spreading Rate	5.7 sq.mt / lt at a DFT of 100 μ
FLASH POINT	Base: Above 25 ⁰ C Hardener: Above 25 ⁰ C
DRYING CHARACTERISTICS (At 30⁰ C & 65% Relative Humidity)	
SURFACE DRY	1 ½ hr
HARD DRY	Overnight
FULL CURE	7 Days
SHELF LIFE	BASE: 6 months HARDENER: 6 months
SURFACE PREPARATION	
Abrasive blasting to Sa 2 ^{1/2} Swedish Standards is the best method of surface preparation. In case blasting is not possible, then the surface of steel should be cleaned to St2/St3 std. The surface should be absolutely dry, moisture and oil free before primer application	
APPLICATION DATA	
MIXING RATIO	Base: Hardener - As per our recommendations
APPLICATION	By Brush / By Convectional Spray / Airless spray
THINNER	GP Thinner 001
POT LIFE	3 – 4 hours at 30 ⁰ C
RECOMMENDED DFT	80 - 100 mic
OVERCOATING INTERVAL	MIN : 6 hours MAX : 24 hours
COMPATIBILITY	Generally no topcoat is recommended as uncoat application.

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, if required, depending on application method, and stir gently for few minutes. Strain the paint through Nylon filter cloth of 100 mesh size and apply uniformly over the surface. All equipments used for above should be properly cleaned.

Application: By Brush / By Air Spray / By Airless Spray

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

For Conventional Spray application

Thinner: 001
 Addition: 10-15%
 Nozzle Orifice: 1.2 -1.4 mm
 Nozzle Pressure: 40-70 p.s.i.

For Airless Spray application:

Thinner: 001
 Addition: Max 5%, if required.
 Nozzle Orifice: 0.48-0.53 mm
 Nozzle Pressure: : 2700-3200.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 Polecats Data manual:

- ⇒ Guide to Product Data Sheet
- ⇒ Surface Preparation Details
- ⇒ Paint Application Details
- ⇒ MSDS

Instruction:

1. Do not apply paint when temperature falls below 10⁰ C or rises above 50⁰ C and when Relative Humidity is above 85%. Do not apply during rain, fog, or mist.
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 and it is subjected to re-inspection thereafter. Individual component is required to 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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