

**GP GUARD EPN  
SOLVENTLESS EPOXY NOVALAC COATING**

<b>DESCRIPTION</b>	A two-component solvent less, high build Epoxy Novalac coating for enhanced durability, corrosion and chemical resistance.
<b>RECOMMENDED USE</b>	It is recommended as a self-priming high build coat on blast-cleaned surface. An excellent coating for offshore and onshore installation subjected to high chemical and high dry heat resistance upto 150°C environment.  Uses include steel structures in Industrial plants, bridges, tank exteriors, interior of tanks in refineries for petroleum products, oil tanks, pipelines, marine atmosphere, cooling towers, etc.

**PHYSICAL DATA**

<b>COLOUR</b>	Selected Industrial shades
<b>FINISH</b>	Satin to Semi gloss
<b>SOLIDS BY VOLUME</b>	100 % min
<b>Theoretical Spreading Rate</b>	2.50 sq.mt / ltr at recommended DFT of 300 μ
<b>FLASH POINT</b>	Base: Above 25° C      Hardener: Above 25° C
<b>DRYING CHARACTERISTICS (At 30° C &amp; 65% Relative Humidity)</b>	
<b>SURFACE DRY</b>	4 hour
<b>HARD DRY</b>	24 hour
<b>FULL CURE</b>	7 Days
<b>SHELF LIFE</b>	BASE: 6 months      HARDENER: 6 months

**SURFACE PREPARATION**

Abrasive blasting to minimum Sa 2.5 Swedish Standards is must with a roughness profile of 60 - 80 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**

<b>MIXING RATIO</b>	Base: Hardener - As per our recommendation
<b>APPLICATION</b>	By Brush / By Airless Spray/ By Plural Component
<b>THINNER</b>	Not recommended
<b>POT LIFE</b>	20 – 40 minutes at 25° C
<b>RECOMMENDED DFT</b>	300 – 500 μ
<b>OVERCOATING INTERVAL</b>	MIN: 8 hours MAX: 24 hrs
<b>COMPATIBILITY</b>	Compatible with Epoxy, PU Finish paints.

<b>APPLICATION METHOD</b>	
Stir the Base part thoroughly preferably with power stirrer. Mix the base and hardener as per our recommended ratio, by volume. Mix gently to attain homogeneity.	
<b>For Airless Spray application:</b> For quick and small applications only Thinner: N/A Addition: Not required Nozzle Orifice: 0.53 – 0.79 mm Nozzle Pressure: 3000 - 3200 p.s.i	<b>For Brush application:</b> It is recommended only for touch up. Thinner: Not required Addition: N/A Use quality brush.
<b>Plural component spray</b> gun with static mixer arrangement. Is most preferred application machine, ensure to flush the line with thinner once application is discontinued or put on hold for more than 10 minutes (recommended), actual time to be decided depending upon environmental condition.	
<b>ADDITIONAL INFORMATION</b>	
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	
<b>Instruction:</b> 1. Do not apply paint when temperature falls below 10 <sup>0</sup> C or rises above 50 <sup>0</sup> 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. For interior coating for petroleum products GP's representative to be contacted for recommendation. 4. Product with Glass flake loading is also available on request for excellent barrier protection. 5. DFT variation can be obtained by change in application method / thinning ratio. Contact Grand Polycoats representative for further assistance. 6. 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.	
<b>HEALTH &amp; SAFETY</b>	
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.	
<b>LIMITATION OF LIABILITY</b>	
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	
R: 1: 10: 19 This supersedes all earlier versions of this product data sheet	

**Grand Polycoats Co.Pvt.Ltd.**

 204, Siddharth Complex, R.C.Dutt Road, Alkapuri,  
 Vadodara - 390 007, (Gujarat), India.

Tel: +91 – 0265 - 6164200 / 6164201 Fax: +91-265-2337022

 E-mail: [marketing@grandpolycoats.com](mailto:marketing@grandpolycoats.com)