



**NEGIN ZEREH Co.**

Industrial, Marine, Water Base, Architectural Paint

# **POLYAMIDE CURED METAL FREE EPOXY PRIMER NZ-511.1**

## **| Product Description**

**NZ-511.1** is a two components, metal free polyamide cured epoxy primer or tie coat.

## **| Recommended Use**

As a general purpose rust preventing primer for epoxy systems, on structural steel, pipe, tanks, oil, refineries, and power plants. Chemical process plants, for immersion and non-immersion service, applicable both as primer and tie coat over zinc ethyl silicate.

## **| Outstanding Characteristics**

- Excellent rust preventing
- High Chemical and water resistance
- Suitable as a first coat in various paint systems
- Suitable for a variety of substances
- With the proper topcoat, withstand splash or spillage of water, solvents, chemicals, and petroleum products
- Suitable for stainless steel

## **| Surface Preparation**

The surface should be clean , dry and free from oil , grease , salt and other foreign materials and blast cleaned up to Sa 2½ for primer application and NZ-511.1 as a tie coat is required the primed surface cleaned, dry and free from any other contaminations.

## **| Technical Data**

<b>Finish</b>	Flat
<b>Color</b>	Upon request
<b>Solid by volume</b>	51±3%
<b>Specific Gravity</b>	1.35±0.10 gr/cm <sup>3</sup>
<b>Flash point</b>	32 °C
<b>Recommended D.F.T.</b>	40-60 microns
<b>Theoretical coverage</b>	9.3-6.4 m <sup>2</sup> /kg Practical coverage depends on loss factor
<b>Touch dry</b>	3 hrs. at 20 °C
<b>Fully cured</b>	7 Days at 20 °C
<b>Thermal resistance</b>	Max. 140 °C (dry exposure)
<b>Shelf life</b>	12 months at 25 °C
<b>Package</b>	20 & 4 liter containers

## **| Application Details**

<b>Application method</b>	Air/Airless spray, Brush, Roller
<b>Surface temperature</b>	10-45 °C
<b>Mixing ratio</b>	Refer to the can label
<b>Thinner/cleaner</b>	NZT-500
<b>Pot Life</b>	8 hrs. at 20 °C
<b>Recoat interval</b>	Min 24 hrs. at 20 °C Max 72 hrs. at 20 °C Recoating intervals related to later conditions of exposure
<b>Nozzle orifice</b>	0.017"-0.021"
<b>Nozzle pressure</b>	150 bar/2175 psi Airless spray is indicative and subject to adjustment
<b>Application condition</b>	Apply only on a dry and clean surface with a temperature 3 °C above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

**Note:** Film thickness may be specified in another film thickness than indicated depending on purpose and area of use. This will alter the spreading rate and may influence the amount of thinning necessary, drying time and recoating interval.

**Safety:** Handle with care. Before and during use, observe all safety labels on packaging and paint containers. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Neginzereh-pars Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Neginzereh-pars representative to obtain the most recent Product Data Information and Application Bulletin. The Neginzereh-pars Company warrants our products to be free of manufacturing defects in accord with applicable Neginzereh-pars quality control procedures.