



NEGIN ZEREH Co.

Industrial, Marine, Water Base, Architectural Paint

POLYAMIDE CURED EPOXY ZINC DUST PRIMER NZ-517.1

Product Description

NZ-517.1 is a two component, polyamide cured epoxy based zinc dust-mio primer. This coating has minimum 27% by weight zinc dust pigment which are defined by its ability to galvanic protect ferrous substrates.

This primer, when applied over properly prepared steel substrates, can provide effective corrosion resistance in a wide range of environmental zones.

Recommended Use

As a highly weather resistant film and due to its zinc content is used on steel and industrial structures to be application on industrial structures to be exposed in severe corrosive atmosphere, as well as on galvanized surfaces.

Outstanding Characteristics

- Suitable as prefabrication primer
- Good cutting and welding properties
- Suitable as a first coat in various paint systems
- Corrosion resistance in moderately to severely environment

Surface Preparation

Surface should be free from oil, grease, dust and mill scale by solvent cleaning or high pressure fresh water hosing and finally sand blasting up to Sa2½ or SSPC-SP10.

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.

Technical Data

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| Finish | Flat |
| Color | Gray |
| Solid by volume | 62±3% |
| Zinc content in dry film | 28±1% by weight |
| Specific Gravity | 2.15±0.10 gr/cm ³ |
| Flash point | 30 °C |
| Recommended D.F.T. | 50-75 microns |
| Theoretical coverage | 5.8-3.8 m ² /kg Practical coverage depends on loss factor |
| Touch dry | 3 hrs. at 20 °C |
| Fully cured | 7 days at 20 °C |
| Thermal resistance | Max. 160 °C (dry exposure) |
| Shelf life | 12 months at 25 °C |
| Package | 20 & 4 liter containers |

Application Details

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|------------------------------|---|
| Application method | Air/Airless spray, Brush, Roller |
| Surface temperature | 10-45 °C |
| Mixing ratio | Refer to the can label |
| Thinner/cleaner | NZT-500 |
| Pot Life | 8 hrs. at 20 °C |
| Recoat interval | Min 24 hrs. at 20 °C Max 3 days at 20 °C Recoating intervals related to later conditions of exposure |
| Nozzle orifice | 0.017"-0.021" |
| Nozzle pressure | 150 bar/2175 psi Airless spray is indicative and subject to adjustment |
| Application condition | 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. |