



شرکت صنعتی و شیمیایی  
نکین زره

## NEGIN ZEREH PARS Co . Information Sheet

### ZINC ETHYL SILICATE PRIMER NZ-736

#### Product Description

**NZ-736** is a three-pack, self-curing, (reacting with atmospheric moisture), solvent based inorganic zinc ethyl-silicate coating with outstanding resistance against weathering and abrasion.

#### Recommended Use

As a general purpose, heavy duty rust preventing primer, suitable for long term protection of steel structures exposed to severely corrosive and abrasive environment. It has excellent chemical resistance within the PH range 6-9.

#### Outstanding Characteristics

- High galvanic protection
- High corrosion and abrasion resistance
- Heat resistance up to 400°C continuously
- Suitable for use with a wide range of high performance topcoats
- Excellent resistance to weathering & UV exposure

#### Surface Preparation

Surface should be clean form oil, grease by solvent Cleaning or Suitable Detergent, Then clean salts another contaminants by high pressure fresh water and consequently blast cleaning up to Sa 2½ preferably shall be white metal cleaned (SSPC-SP10).

#### Technical Data

Finish	Matt
Color	Gray
Solid by volume	62±2%
Specific Gravity	2.85±0.05 gr/cm <sup>3</sup>
Zinc content in dry film	89± 1 by weight
Flash point	14 °c
Recommended D.F.T.	50-75 microns
Theoretical coverage	4.35-2.9 m <sup>2</sup> /kg Practical coverage depends on loss factor 10 min. at 20°c
Touch dry	Depended to temp. & humidity after MEK resistance
Fully cured	Max. 400 °c (dry exposure) Non-Continuous Max. 450 °c
Thermal resistance	3 months at 25 °c (solution)
Shelf life	Refer to the label
Package	

#### Application Details

Application method	Air/Airless spray
Surface temperature	10-40 °c
Mixing ratio	Refer to the label
Cleaner	NZT-700
Pot Life	4 hrs. at 20°c
Recoat interval	Min after MEK resistance Max indefinite Recoating intervals related to later conditions of exposure
Nozzle orifice	0.019"-0.023"
Nozzle pressure	100 bar/1500 psi Airless spray is indicative and subject to adjustment
Application condition	Apply only on a dry and clean surface with a temperature 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.



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## POLYAMIDE CURED EPOXY MIO HIGH BUILD NZ-533

### Product Description

**NZ-533** is a two component, polyamide cured, and high build epoxy coating, and containing micaceous iron oxide.

### Recommended Use

For protection of structural steel in refineries, mining pulp and paper industries, water sewage plants, bridges storage tanks and petrochemical plants.

### Outstanding Characteristics

- Suitable for application on blasted steel
- High abrasion and chemical resistance
- Good cutting and welding properties
- Suitable for application under humid condition

### Surface Preparation

The surface must be clean, dry and free from any other foreign materials. Old primed surfaces must be mildly sweep blast to provide inter coat adhesion.

### Technical Data

Finish	Flat, semi-flat
Color	Light gray
Solid by volume	58±2%
Specific Gravity	1.55±0.1 gr/cm <sup>3</sup>
Flash point	31 °c
Recommended D.F.T.	100-125 microns
Theoretical coverage	3.7-3 m <sup>2</sup> /kg
	Practical coverage depends on loss factor
Touch dry	4 hrs. at 20 °c
Fully cured	7 Days at 20 °c
Thermal resistance	Max. 140 °c (dry exposure)
Shelf life	12 months at 25 °c
Package	20 & 4 liter containers

### Application Details

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-50 °c
Mixing ratio	Refer to the can label
Thinner/cleaner	NZT-500
Pot Life	8 hrs. at 20 °c
Recoat interval	Min 8hrs. at 20 °c Max 7 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 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.

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## POLYURETHANE TOPCOAT NZ-631

### Product Description

NZ-631 is a two component, acrylic aliphatic isocyanate cured polyurethane topcoat.

### Recommended Use

As a protective finish coat for protection of structural steel where superior performance, attractive appearance gloss, retention and high corrosion resistance is required such as chemical plants, pulp & paper mills, off-shore platforms, petroleum refineries and containers.

### Outstanding Characteristics

- Excellent corrosion resistance
- High weather and chemical resistance
- Excellent gloss and color retention
- Easy to clean

### Surface Preparation

The surface must be clean and dry. All dirt, grease, and any other foreign materials should be removed. For old coated surfaces, it may be necessary to roughen the surface.

### Technical Data

Finish	Semi-gloss, gloss
Color	Upon request
Solid by volume	50±3%
Specific Gravity	1.25±0.1 gr/cm <sup>3</sup>
Flash point	30 °c
Recommended D.F.T.	40-60 microns
Theoretical coverage	10-6.6 m <sup>2</sup> /kg
Touch dry	Practical coverage depends on loss factor
Fully cured	5 hrs. at 20 °c
Thermal resistance	7 Days at 20 °c
Shelf life	Max. 120 °c (dry exposure)
Package	12 months at 25 °c
	20 & 4 liter containers

### Application Details

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-50 °c
Mixing ratio	Refer to the can label
Thinner/cleaner	NZT-600
Pot Life	5 hrs. at 20 °c
Recoat interval	Min 16 hrs. at 20 °c
	Max none with itself
	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 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.

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