



NEGIN ZEREH Co.

Industrial, Marine, Water Base, Architectural Paint

ZINC ETHYL SILICATE PRIMER NZ-736.1

Product Description

NZ-736.1 is a tow-pack, self-curing solvent based inorganic zinc ethyl-silicate coating with outstanding resistance against weathering and abrasion. For curing needs to atmospheric moisture.

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
- Excellent resistance to weathering & UV exposure

Surface Preparation

Surface should be clean and free from oil, grease, dust, salt and any other contaminants by washing with suitable detergent then washing by high pressure fresh water and consequently blast cleaning up to Sa3 or SSPC-SP10.

Notice: For long service life, surface cleanliness Sa3 or SSPC-SP5 is more appropriate.

Technical Data

Finish	Matt
Color	Gray
Solid by volume	62±2%
Specific Gravity	2.85±0.10 gr/cm ³
Zinc content in dry film	89± 1 by weight
Flash point	14 °C
Recommended D.F.T.	50-75 microns
Theoretical coverage	4.3-2.9 m ² /kg Practical coverage depends on loss factor
Touch dry	10 min. at 20 °C
Fully cured	Depends on Temp. & Humidity ⁽¹⁾
Thermal resistance	Max. 400 °C (dry exposure) Non-Continuous Max. 450 °C
Shelf life	3 months at 25 °C (solution)
Package	Refer to the label

(1): Temperatures ranging from 0°C/32°F to 40°C/105°F, curing needs Minimum 65% relative humidity. Curing is retarded at lower temperature and lower humidity. Do MEK Rub Test as proof of curing.

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	After MEK Rub Test Proof 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 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.