



NC White Zinc Phosphate Primer For Metal & Wood

Technical Data Sheet

Product code: E/500M
Color: White

Composition and Application Field

Nitrocellulose zinc phosphate primer is a balanced composition of NC based resin, other synthetic resins and zinc phosphate, with fast drying characteristics, hard and mild chemical resistance. It has outstanding anticorrosive properties and has abrasion resistance. As anticorrosive blast primer for exterior, structural steelwork, tanks and pipelines in moderately corrosive atmospheric.

Product Preparation

Dilution

Spraying: Dilute with NC thinner E/600 at 100%

Curtain Coater: We advise to dilute with NC thinner E/600 at 80-100%.

In case of hot and humidity climate to avoid pin-hole and blooming, add 3% of NC retardant thinner E/631.

Technical Characteristics

Physical Properties

Specific gravity	1.17	(± 0,025) Kg/l
* Viscosity. Brookfield	17000	(± 2000) Cps
DV11+, Spindle 4, RPM6 @ 25°C		
Weight solids	47%	(± 2) Kg/Kg
Flash Point	21	grades centigrade

(Abel Pensky closed cup)

Application Rate 130gr/m² (per coat)

Drying @25°C

* Dust free	10 mn
Touch drying	35 mn
Deep drying	12 hrs
Interval coats (without sanding)	1.30 hrs
Sanding after	4 hrs

N.B: In case of packing, control the final result before starting with the working cycle.

Dry Film Characteristics

Mechanical Characteristics

Adherence	Good (on wooden & sanded substrates)
Plasticity	Good
Sanding	Very good
Covering	Very good

Surface Preparation

For Wood

We advise to sand the wood surface (solid wood or veneers) by manual or automatic sanding machine using 100 grain sand paper, before applying our product E/500M, apply one or more coats according to the desired build. Respect interval time of coats and dilution.

For Metals

In case of mild conditions of application, remove the previous coat with a mechanical tool, wire mesh, or a mild sweep blast is to be done. In case of detailed Surface preparation is warranted, remove all wax, oil and grease should be removed by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface. Ideally abrasive blast clean to a minimum standard of Sa 2-1/2 Swedish Standard SIS 05 59 00 or ISO 8501-1:1988. Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner. After blasting, remove dust from the surface. The surface to be coated must be clean and dry with EVI NC ZINC PHOSPHATE PRIMER before applying EVI NC TOPCOAT.

For Aluminium

Degrease and abrade with EVI NC THINNER and wet-or-dry paper. Apply EVI ETCH PRIMER and immediately follow with the top coat.

Exclusions for successful application include perpetually wet surfaces and also large cavities on metal surfaces.

Application Method

Spray gun: you can use a spray gun with 1.8-2 mm. nozzle at 3-4 atm/bar. of pressure. It is possible to use even airless or air-mix equipments.

Curtain coater: the most important thing is to keep steady the starting viscosity adding some thinner to compensate the evaporation.

Subsequent Treatments

To complete the varnishing cycle, you can use our pigmented NC top finish products.

Packing

Available in Usq, Usg, 5Usg and 10(5Usg)

Storage

If the drum is hermetically closed and well stored at 25°C, the product has 18 months of shelf-life.