

CapaEpo Zinc Phosphate Primer

Two Component Epoxy Based Primer For Iron, Steel And Galvanized Steel
For Interior And Exterior



Product Description

CapaEpo Zinc Phosphate Primer is a superior quality two pack polyamide cured solvent based epoxy primer with zinc phosphate for priming coats on iron, steel and galvanized steel. It is anti-corrosive, rust-inhibitive and lead-free and suitable for interior and exterior surfaces. It has excellent opacity, good flow and promotes adhesion of subsequent Caparol epoxy or polyurethane finish coats

Recommended Use

Suitable for interior and exterior use on:

Iron
Steel
Galvanized steel

Physical Properties

Volume solids	48±2%
Colour	White / Grey / Red-Oxide
VOC	360g/ltr
Thinner	Epoxy Thinner
Packing size	1, 3.75 & 18ltr (Base + Hardener)
Finish	Matt
Shelf life	24 months
Pot life	4 hours @ 25°C, reduces at higher temperature
Mixing ratio	4 part base: 1 part hardener by volume

Surface Preparation

Ensure substrate is sound, clean, dry, free of oil, grease, dust, loose particles, laitance and powder paint etc. All loose material must be removed by stiff bristle brushing. Any damaged areas or surface irregularities should be repaired before application. It is most important that substrates are correctly prepared prior to application of paint.

Mixing Paint

CapaEpo Zinc Phosphate Primer is two components solvent based Epoxy product, should be mixed properly before application. CapaEpo Zinc Phosphate Primer can be diluted with Epoxy thinner only.

Flash Point

>25°C

Theoretical Spread Rate

Dry film thickness	50 - 75 µm
Theoretical coverage*	9 - 11 m ² /ltr

*Spreading rates are indicative, due allowance and wastage factor should be considered in practical application.

Drying Time

Touch dry	3 hours
Dry to over coat*	8 hours (minimum) to 72 hours (maximum)

* Drying time generally related to air circulation, temperature, film thickness, no of coats and relative humidity. The given data must be considered as guidelines only. The actual drying time before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. The figures given are typical with: Good ventilation (outdoor exposure or free circulation of air), typical film thickness and relative humidity 70%.

Application Conditions

Substrate temperature should be min.10°C and at least 3°C above the dew point of the air. At application below 10°C drying temperature will be significantly extended and spraying characteristics may be impaired. Paint to be applied to suitable primed surface.

Application Equipment's/Tools

Brush, roller or airless spraying equipment*

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/applicator/consultant from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply.

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Guiding data airless spray

Pressure at nozzle 150 - 180 bars

Nozzle tip 0.023" - 0.028"

Spray angle 25° - 65°

*The airless spray details given above are intended as a guide only, fluid hose-length, diameter, paint temperature and project complexity all influence the choice of tip and operating pressure.

Cleaning Tools

Clean tools immediately with Epoxy thinner after application.

Typical Paint System

CapaEpo Zinc Phosphate Primer can be used as top coat on interior and exterior surface as follows:

Interior and exterior surface standard typical paint system over metal substrate *

	Coats
CapaEpo Zinc Phosphate Primer	1
Suitable CapaEpo or CapaLac enamel top coat	2

*Above mentioned paint system is for general guide line only, can be changed as per specification requirements.

Typical Application

One uniform and generously applied coat of CapaEpo Zinc Phosphate Primer, thinned up to 10% with Epoxy Thinner, on to suitably prepared substrate. The primed surface should be top-coated with a suitable Caparol enamel product within 3 days.

Storage and Handling

24 months when stored in warehouse conditions below 35°C in the original, unopened packs. The product must be kept in in cool, dry well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed and always handle with care. Keep out of reach of children.

Health and Safety

Always ensure good ventilation during application and drying. Do not breathe vapors or spray when applying paint indoor by spray, wear proper air supplied breathing equipment's. Respiratory equipment's must be suitable for the purpose and meet appropriate standards. When applying paint, it is advisable to wear suitable eye protection, in case contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove splashes from skin, use soap and water or recognized skin cleaner. Do not use or store by hanging on a hook. Do not empty contents into wadis, drains or watercourses.