

QD Zinc Phosphate Primer

Production Description

A single pack quick drying primer based on modified alkyd with anticorrosive pigments. An ideal primer for steel where blast cleaning is not feasible. This performance-based primer offers excellent adhesion and compatibility with QD Industrial Enamels. However it can also be top coated with any of solvent based undercoats and enamels.

Areas of Application

Recommended as a primer for protection of structural steel and equipment in industrial and marine environment. Suitable for interior and exterior use.

Technical Data

Colour	Red Oxide, Grey, Black and other tinted colours
Solvent Resistance	Good
Toxicity	Dry film is not toxic
Thinning & Clean Up	Omega Enamel Thinner. Up to 10% thinner for spraying
Theoretical Coverage*	10 sq.m. / litre at 35 microns DFT, depends on surface profile*
Drying Time (at 25 C & RH 60%)**	Touch dry 15 minutes ** / Recoat: 6 - 8 hours**
Sheen Level	Matt
Packs available	4 litre, 20 litre, (other sizes on request)

*Practical coverage depends on surface profile, method of application and dry film thickness. Higher film thickness leads to lower coverage.

** Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times.

Method of Application

Can be applied by brush, roller or spray. Please use the method best suited to your requirement and skill.

Surface Preparation

Remove all surface rust, loose and flaking / peeling paint and sand back coating edges. Ensure surface is clean, dry and free from dust, grease, oil and all other surface contamination. Apply Omega Rustblock Rust Converter to rusted surfaces. Prepare and coat section by section to achieve best results Surface is to be coated immediately after preparation.

Note: Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times Do not apply when surface temperature is below 10 °C or above 35 °C

Application

Stir contents thoroughly using a flat stirrer before and during use. Apply one coat evenly by brush, roller or spray, after proper surface preparation. Avoid over-brushing and rolling. Do not thin for application by brush or roller. If spraying, thin up to 10% with Omega Enamel Thinner 600. Allow QD Zinc Phosphate Metal Primer to dry for at least 8 hours before application of undercoat and finishing product. Note: For best results, prepare, prime and finish section by section to avoid prolonged exposure to the elements.

Note

QD Zinc Phosphate Metal Primer, as with all metal primers and undercoats are designed to be used as part of a coating system. Metal primers provide an anti-corrosive base coat and to add adhesion to the substrate. Metal primers and undercoats are not designed to withstand extended periods exposed to sun light and the external weather elements. It is recommended to prepare, prime, undercoat and finish coat within a short period to obtain the best long term protection of the metal substrate.

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Mix and Colour Check

Mix the paint before application with a wide flat (25mm) paddle or a hand paint mixer with a perforated base, in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are thoroughly mixed. Remix the paint every 2 hours to ensure product consistency. Check colour to the colour chart/standard prior to application. Inner mix multiple containers together to ensure colour consistency. Replace and secure container lid during painting to prevent the paint drying within the container.

Coating Maintenance

Washing the painted surface periodically will maintain the look of a newly painted surface longer. Clean the surface with a diluted sugar soap or a mild detergent and rinse well with clean water. Do not use scouring pads, abrasive brushes, high pressure washing or solvent to clean the painted surface. These will damage the paint film and cause premature failure of the coating.

Flammability & Transport

- Highly flammable, Dangerous Goods Class 3.2, Flash Point 20 °C, UN 1263, PG III
- Keep away from heat and flame, eliminate any source of ignition.
- Soak all used cloths and rags immediately in water to prevent self-ignition.
- Ensure container is upright with lid secure.
- Ensure the container is secured in the vehicle for transport.

Environmental

- Do not wash painting equipment and allow waste to enter drains and water ways.
- Do not dispose of unwanted paint and thinners that will enter drains and water ways.
- Refer to state / local EPA and council web sites for environmental and safe disposal details.

Safety & Precautions

- Do not apply when surface temperature is below 10 °C or over 35 °C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Apply in calm fine weather conditions and only during daylight hours.
- Cease painting 2 hours before sunset or if weather changes are forecast.
- Use only the recommended thinner for dilution and cleaning.
- Check paint colour to the colour chart/standard prior to application
- Provide adequate ventilation during use.
- Keep out of reach of children
- Avoid exposure of the new paint film to steam for 48 hours and to washing or scrubbing for 7 days.
- Check cross cut adhesion test of old coating before repainting.
- Apply a test sample for compatibility of this product over a small test area.

*Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times

**Practical coverage may depend on surface profile, method of application and losses. Higher film thickness will lead to lower coverage. The technical information and suggestions for use and application are given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise. The manufacturer does not assume any liability for any loss or injury resulting from the use of the product. Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times

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