

QD Industrial Zinc Phosphate Primer

200:026 Technical Data



Properties

Quick Drying Industrial Zinc Phosphate Primer.

General purpose anti-corrosive metal primer, giving a high build matt finish. Can be re-coated with most types of finish. Zinc Phosphate pigmentation offers good resistance to salt spray, humidity etc.

Technical Information

Colour	Available in Red Oxide (0120), Light Grey (0651), Dark Grey (1606), Buff (0414), White (0001) and Black (0002), plus special colours by arrangement.
Volume Solids	Approx 43% varies with colour
Solids by Weight	Approx 56 %
Recommended Dry Film Thickness	75 - 100 microns.
Theoretical Coverage	Approx. 5.5 square metres per litre @ 75 microns DFT. NB. The practical coverage rate depends on many factors and will be less than the theoretical figure.
Method of Application	Airless spray, air assisted airless spray (15-17 thou tip), conventional spray (with thinning). Small areas may be brushed.
Drying Time	Touch Dry 15 minutes. Through Dry ...1 - 2 hours. Hard Dry,4 - 6 hours. Full Cure7 days. At 20°C, under normal conditions of temperature and humidity (as drying times will vary with actual conditions such as: film thickness, air movement, temperature and humidity).
Shelf Life	12 months in original unopened containers, when stored under cover within the temperature range 10°C - 35°C.
Packaging	5 and 20 Litre
Health & Safety	Familiarise yourself with MSDS 200026N before using this product. If you need to obtain a copy, telephone us on 01773 771137.

Application

Surface Preparation	Shot blasting is the recommended method of substrate preparation. Painting should be carried out within four hours. If oxidisation has occurred before priming the surface should be re-blasted. The resultant surface to be painted should be clean, dry and free from contamination, lamination and dust. If blasting is not possible, clean and degrease the metal substrate. Rust, burrs and oily residues should be removed completely. Sharp edges at welded seams should be ground down. Weld splatter, dust, scale etc., should be removed. The resultant surface should be clean, dry and free from lamination and dust.
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Application Temperature	10 – 35 degrees C
Application Conditions	Do not apply or dry when air or surface temperature is below 10°C or in high humidity or where condensation is likely to occur (i.e. Surface temperature must always be a minimum of 3°C above dew point). Painting should only be carried out under good atmospheric conditions and clement weather. Preparation, painting and drying should <u>never</u> be undertaken: when the air temperature falls below the minimum temperature for the coating, or during fog, mist, snow, or when rain is imminent, or when the surface to be painted is wet with condensation or when condensation may occur during the drying period.
Wet Film Thickness	Approx. 175 - 230 microns to achieve a dry film thickness of 75 - 100 microns.
Overcoating	200:026 can be overcoated with most xylene-based topcoats anytime after through dry. However, due to its chemical nature, white spirit-based topcoats should not be applied directly onto this primer.

Thinning and Cleaning

Thinning	QD Thinners 003:000:9999.
Cleaning	Clean all equipment immediately after use with the above solvent. Ensure all lines, tips, etc. are thoroughly flushed out. It is not sufficient to leave equipment filled up with solvent/thinners.

The foregoing information is given in good faith on the basis of practical experience and extensive laboratory tests. Quoted figures are either theoretical values or typical of production batches. However, as we have no control over the conditions of application or the quality and standard of preparation of the substrate and the many other factors affecting the use and application of the product, the customer must determine the suitability of the delivered product for the intended application. Therefore unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of this product or for any loss or damage arising out of the use of the product, or its use in conjunction with other manufacturer's product(s). Stir the paint well before use and always check the shade as no responsibility for a colour complaint is accepted after application. The information in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous improvement. For professional use only.

200:026: April 19