

Product Data Sheet

Cromadex Liquid Coatings Cromadex Monozinc Primer One Pack Zinc-Rich Primer

Product Description

Monozinc is a one pack, zinc-rich primer. Based on epoxy ester resin it is heat resistant to 400°C. It provides galvanic protection to new steelwork and can also be used to repair two pack zinc-rich primers. It has excellent adhesion to both blasted and hand-prepared steel and is overcoatable with both liquid and powder coatings. Monozinc contains more than 90% Zinc in the dry film.

Extra Life

Life expectancy of up to 25 years in a C4* environment when used with a suitable Cromadex topcoat. See Extra Life brochure for full details.

* as determined in ISO12944: 2018

Products and Ancillaries

Monozinc
05-46 Thinner (Standard)
85-72 Thinner (Slow)

Suitable Substrates and Preparation

Degreasing with Cromadex 678 Spirit Wipe is recommended and should be carried out after any abrasion of the surface

Steel Degrease and abrade with P180. If necessary blast clean to remove millscale, minimum surface preparation SA2

Application Details

Preparation of product Agitate with mechanical mixer prior to application

Mixing Ratio Add 5% v/v for airless or AAA application
Add 10-15% v/v for air-spray

Approved Thickness 60 – 100 microns DFT 100 – 150 microns WFT

Spray Gun	Fluid tip size	Working pressure
<i>Pressure Pot HVLP</i>	1.0 – 1.4 mm	0.7 bar (10 psi)
<i>Airless</i>	13 – 17 thou	2,200 – 2,700 psi
<i>Air Assisted Airless</i>	11 – 13 thou	1,500 – 2,200 psi fluid pressure 10 – 30 psi air pressure

Brush or Roller Suitable on small surfaces

Drying and Overcoating

Substrate Temperature	Drying Times		Overcoating Times	
	Touch Dry	Through Dry	Minimum	Maximum
20°C	15 mins	1 hour	4 hours	3 months

Note: If primer is not overcoated within 7 days then abrade with P240 – P320 and clean with Cromadex 678 Spirit Wipe

Overcoating Monozinc is suitable for overcoating with Interpon Powder Coatings and Cromadex two pack primers, topcoats and DTM products.

Full Properties 7 days

Cromadex Monozinc Primer

Storage and Handling

Storage	Storage should be in accordance with the instructions in Section 7 of the relevant material safety data sheet
Shelf Life	12 months in an unopened, original container from date of mixing at Cromadex centre.
Pack Size	5 and 15 kg

Physical Properties

Volume Solids	62 +/- 2%	
Colour	Grey (nr RAL 7037)	
Coverage	3.5 m ² /Kg @ 60 microns assuming 100% transfer efficiency	
	VOC	Specific Gravity
<i>Monozinc Primer</i>	58 g/Kg	2.95
<i>05-46 Thinner</i>	870 g/l	0.87
<i>85-72 Thinner</i>	870 g/l	0.87

Safety Precautions and Disclaimer

Before using this product please refer to the Cromadex Material Safety Data Sheet.

The information contained in this data sheet is not intended to be exhaustive, and any person using the product without first obtaining written confirmation from us as to the suitability of the product for the intended purposes, does so at their own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree to do so, we do not accept any liability whatsoever arising from the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

It is the user's responsibility to check that this data sheet is current prior to using the product.