

Product Datasheet

Cromadex Liquid Coatings Cromadex MONOZINC 170HQ1027 One Pack Air Dry Zinc Rich Primer

Product Description

Monozinc is a one pack, air drying zinc-rich primer. 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 85% Zinc in the applied dry film. Based on modified epoxy resin it can also be used to coat parts that are subject to high temperatures.

Monozinc exhibits excellent "weld thru" properties with minimal burn back and weld spatter

Products and Ancillaries

Monozinc 170HQ1027
No 1 Thinner CBEA02 only

Suitable Substrates and Preparation

Steel Degrease with Cromadex 678 Spirit Wipe. Blast clean to remove millscale, minimum surface preparation SA2

Application Details

Thinning Ratio Up to 30% by volume CBEA02 only, dependent on application equipment

| | | |
|-----------------------------|--|----------------------------------|
| Approved Thickness | 50 – 100 microns DFT | 140 – 285 microns WFT |
| Spray Gun | Fluid tip size | Working pressure |
| <i>Conventional</i> | 1.6 – 1.8 mm | 3.5 – 4.2 bar |
| <i>Pressure Pot HVLP</i> | 1.2 – 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-assist |
| Brush/Roller | Suitable for small areas & touch-up only | |

| | | | | | |
|-------------------------------|------------------------------|---|--------------------|--------------------------|----------------|
| Drying and Overcoating | Substrate Temperature | Drying Times | | Overcoating Times | |
| | | Touch Dry | Through Dry | Minimum | Maximum |
| | 15°C | 30 mins | 4 hours | 3 hours | 48 hours |
| | 25°C | 20 mins | 2 hours | 2 hours | 48 hours |
| | 40°C | 10 mins | 1 hour | 1 hours | 48 hours |
| | Overcoatable with | itself and Cromadex 2K primers then 600 ,700 and 800 topcoats | | | |
| | Full Properties | 7 days | | | |

Storage and Handling

Storage Storage should be in accordance with the instructions in Section 7 of the relevant material safety data sheet.

Shelf Life 6 months in an unopened, original container from date of manufacture, stir well before use.

Pack Size 5kg & 10 kg

Cromadex Monozinc 170HQ1027

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|----------------------------|----------------------|---|-------------------------|--|
| Physical Properties | Volume Solids | 35 % | | |
| | Colour | Grey (nr RAL 7037) | | |
| | Gloss | Matt < 10% | | |
| | Coverage | 3.5 m ² /Kg @ 50 microns assuming 100% transfer efficiency | | |
| | | VOC | Specific Gravity | |
| | Monozinc | 286 g/kg | 1.99 | |
| | No 1 Thinner | 868 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.
