

Product Data Sheet

Cromadex Liquid Coatings

Cromadex 442 Topcoat

One Pack Polyurethane Medium Texture Topcoat

Product Description

Cromadex 442 is a one pack topcoat that comes in a medium texture finish that adds value to your product. The product uses polyurethane technology providing excellent colour retention.

The product has a long wet edge making it easier to apply to large items with no dry spray.

Cromadex 442 is available in the full Cromadex range of colours, including BS, RAL and special matches all in a lead free finish.

Extra Life

Life expectancy of up to 7 years in a C3* environment when used with a suitable Cromadex primer. See Extra Life brochure for full details.

* as determined in ISO12944: 2018

Products and Ancillaries

442 Topcoat
05-46 Thinner (Standard)
05-44 Thinner (Slow)

Suitable Substrates and Preparation

Mild Steel	Degrease with Cromadex 678 Spirit Wipe and abrade steel with P180. If necessary blast clean to remove millscale, minimum surface preparation SA2. Apply suitable Cromadex primer
Aluminium & Galvanised Steel	Apply Cromadex 903 Chromate-Free Etch Primer (then other Cromadex primer is required to increase film build)
Stainless Steel	Use of Cromadex 903, AQ58, 750 or 850 primer is required

Application Details

Thinning Ratio	5 parts 442 Topcoat 1 part Thinner (dependent on application equipment)	
Spraying Viscosity	45 – 65 seconds ISO Cup4 @ 20°C 25 – 30 seconds BS 4 Cup @ 20°C	
Approved Thickness	25 – 35 microns DFT	50 – 70 microns WFT
Spray Gun	Fluid tip size	Working pressure
<i>Conventional</i>	1.4 – 1.8 mm	3.5 – 4.2 bar
<i>Suction Feed HVLP</i>	1.4 – 1.8 mm	0.7 bar (max)
<i>Pressure Feed HVLP</i>	1.0 – 1.4 mm	0.7 bar (max)
	Other methods not suitable	

Drying and Overcoating

Substrate Temperature	Drying Times		Overcoating Times	
	Touch Dry	Through Dry	Minimum	Maximum
20°C	3 hours	12 hours	Not recommended	
35°C	2 hours	10 hours		
Force Drying	Flash-off for 10-15 mins, then 60-80°C for 30 mins			
Full Properties	7 days			

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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 & 20 litres

Physical Properties

Volume Solids	49 % mixed, dependent on colour	
Colour	Full range available including BS, RAL and special matches – all lead chromate free	
Gloss	Visual appearance will be affected by the medium texture additive	
Coverage	19 m ² /l @ 25 microns, assuming 100% transfer efficiency	
	VOC	Specific Gravity
442 Topcoat	431 g/l (dependent on colour)	1.07 (dependent on colour)
05-44 Thinner	769 g/l	0.77
05-46 Thinner	867 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.