

Product Data Sheet

Cromadex Liquid Coatings Cromadex 200 Topcoat One Pack Air Drying Alkyd Topcoat

Product Description

Cromadex 200 is a one pack air drying topcoat that comes in a high opacity formulation enabling simpler application that reduces processing time. The product offers a high level of gloss giving a superb decorative appearance.

The unique resin and pigment technology used enables both a wide variety of applications and gives a durable finish.

Cromadex 200 is available in the full Cromadex range of colours and gloss levels, including BS, RAL, metallic, sparkles and special matches all in a lead free finish.

Extra Life

Life expectancy of up to 7 years in a C2* environment when used with a suitable Cromadex primer. See Extra Life brochure for full details.

* as determined in ISO12944: 2018

Products and Ancillaries

200 Topcoat
05-46 Thinner (Standard)
85-72 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	10 parts 200 Topcoat 1-2 parts Thinner (dependent on application equipment)	
Spraying Viscosity	45 – 55 seconds ISO Cup4 @ 20°C 25 – 30 seconds BS 4 Cup @ 20°C	
Approved Thickness	25 – 35 microns DFT	60 – 80 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>	1.8 mm	0.7 bar (max)
<i>Pressure Pot HVLP</i>	1.0 – 1.4 mm	0.7 bar (max)
<i>Air Assisted Airless</i>	9 – 11 thou	1800 – 2000 psi (130-170 bar) fluid pressure 10 – 30 psi (0.7-2.0 bar) air assist
Electrostatic	Resistivity will require adjustment. Please inform your local Cromadex centre at time of purchase.	
Heated Methods	Reduce thinning ratios as required	

Cromadex 200 Topcoat

Drying and Overcoating

Substrate Temperature	Drying Times		Overcoating Times	
	Touch Dry	Through Dry	Minimum	Maximum
20°C	40 mins	16 hours	60 mins	7 days
35°C	25 mins	12 hours	40 mins	7 days

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

Force Drying	Flash-off for 10-15 mins, then 60-80°C for 30 mins Gloss levels will vary when force dried or if the recommended film thickness is not obtained
Stoving	Not recommended
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	12 months in an unopened, original container from date of mixing at Cromadex centre
Pack Size	5 & 20 litres

Physical Properties

Volume Solids	42 % mixed, dependent on colour and gloss	
Colour	Full range available including BS, RAL, metallics, sparkles and special matches – all lead chromate free	
Gloss	Full gloss (90% min) Eggshell (30%) Plus intermediates on request	Semi gloss (60%) Matt (10%)
Coverage	Measured at 30-35 microns DFT & 60° reflectance A variance of +/-5% may be obtained dependent on application process 17 m ² /l @ 25 microns, assuming 100% transfer efficiency	
	VOC	Specific Gravity
200 Topcoat	510 g/l (dependent on colour & gloss)	1.14 (dependent on colour & gloss)
05-46 Thinner	867 g/l	0.87
85-72 Thinner	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.