

Product Data Sheet

Cromadex Liquid Coatings Cromadex 233 Topcoat One Pack Air Drying Alkyd Topcoat

Product Description

Cromadex 233 is a one pack air drying topcoat. The product has a long wet edge that enables a seamless finish on large articles without dry spray.

Cromadex 233 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

233 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	5 parts 233 Topcoat 1 part 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	50 – 75 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 (135-170 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.	
Brush or Roller	Suitable	
Heated Methods	Reduce thinning ratios as required	

Cromadex 233 Topcoat

Drying and Overcoating	Substrate Temperature	Drying Times		Overcoating Times		
		Touch Dry	Through Dry	Minimum	Maximum	
	20°C	3 hours	17 hours	60 mins	7 days	
	35°C	150 mins	15 hours	45 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	48 % 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)		Semi gloss (60%)		
		Eggshell (30%)		Matt (10%)		
			Plus intermediates on request			
			Measured at 30-35 microns DFT & 60° reflectance <small>A variance of +/-5% may be obtained dependent on application process</small>			
Coverage	19 m ² /l @ 25 microns, assuming 100% transfer efficiency					
		VOC		Specific Gravity		
	233 Topcoat	429 g/l (dependent on colour & gloss)		1.08 (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.						