

Product Data Sheet

Cromadex Liquid Coatings Cromadex 891 Topcoat High Solids Two Pack Acrylic Topcoat

Product Description

Cromadex 891 is a high solids two pack acrylic topcoat with excellent exterior durability. The product has excellent UV resistance giving it prolonged decorative performance.

The product is high in solids enabling it to be used as part of a VOC reduction programme.

Cromadex 891 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 25 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

891 Topcoat
891 Curing Agent
891 Standard Thinner
891 Rapid Thinner

Suitable Substrates and Preparation

Mild Steel	Degrease and abrade with P180. If necessary blast clean to remove millscale, minimum surface preparation SA2. Apply suitable Cromadex primer
Aluminium & Galvanised Steel	Degrease and abrade with P240 to remove surface oxide layer. Apply Cromadex 903 Chromate-Free Etch Primer
Stainless Steel	Use of Cromadex 903, AQ58, 750 or 850 primer is required

Application Details

Mixing Ratio	5 parts 891 Topcoat 2 parts 891 Curing Agent 1 or 2 parts 891 Thinner/Rapid Thinner (dependent on application equipment)	2 parts 891 Clear Lacquer 1 part 891 Curing Agent 1 part 891 Rapid Thinner
Spraying Viscosity	30 – 70 seconds ISO Cup4 @ 20°C 25 – 40 seconds BS Cup4 @ 20°C	
Pot Life	1-2 hours @ 20°C (dependent on thinner)	
Approved Thickness	35 – 60 microns DFT	60 – 90 microns WFT
Spray Gun	Fluid tip size	Working pressure
<i>Conventional</i>	1.6 – 1.8 mm	50 – 60 psi
<i>Suction Feed HVLP</i>	1.6 mm	10 psi (max)
<i>Pressure Pot HVLP</i>	1.0 – 1.4 mm	10 psi (max)
<i>Electrostatic</i>	Resistivity will require adjustment. Please inform your local Cromadex centre at time of purchase	

Cromadex 891 Topcoat

Drying and Overcoating	Substrate Temperature	Drying Times		Overcoating Times	
		Touch Dry	Through Dry	Minimum	Maximum
	20°C with 891 Thinner	40 mins	16 hours	1 hour	Flat after 16 hours, overcoat after 24 hours
	20°C with 891 Rapid Thinner	20 mins	8 hours	1 hour	Flat after 16 hours, overcoat after 24 hours
	Force Drying	Flash-off for 10-20 mins, then 60°C for 45 mins			
	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	64 % mixed, dependent on colour			
	Colour	Full range available including BS, RAL, metallics, sparkles and special matches – all lead chromate free			
	Gloss	Full gloss (90% min) Measured at 30-35 microns DFT & 60° reflectance			
	Coverage	17 m ² /l @ 40 microns, assuming 100% transfer efficiency			
		VOC			Specific Gravity
		891 Topcoat	284 g/l (dependent on colour)		1.10 (dependent on colour)
	891 Curing Agent	360 g/l		1.04	
	891 Standard Thinner	861 g/l		0.88	
	891 Rapid Thinner	880 g/l		0.88	
Safety Precautions and Disclaimer	Before using this product please refer to the Cromadex Material Safety Data Sheet.				
	<p>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.</p> <p>It is the user's responsibility to check that this data sheet is current prior to using the product.</p>				