

# Product Data Sheet

## Cromadex Liquid Coatings

### Cromadex 222 Topcoat

### One Pack Fast Air Drying Alkyd Topcoat

#### Product Description

Cromadex 222 is a one pack fast air drying topcoat with excellent covering power to help reduce application costs. The product has a fast touch dry time enabling improved productivity.

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

Cromadex 222 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 3 years in a C2\* external environment when used with a suitable Cromadex primer. See Extra Life brochure for full details.

\* as determined in ISO12944

#### Products and Ancillaries

222 Topcoat	85-72 Thinner
05-46 Thinner	

#### Suitable Substrates and Preparation

<b>Mild Steel</b>	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
<b>Aluminium &amp; Galvanised Steel</b>	Apply Cromadex 903 Chromate-Free Etch Primer (then other Cromadex primer is required to increase film build)
<b>Stainless Steel</b>	Use of Cromadex 903, AQ58, 750 or 850 primer is required

#### Application Details

<b>Thinning Ratio</b>	10 parts 222 Topcoat 1 part 05-46/85-72 Thinner (dependent on application equipment)	
<b>Spraying Viscosity</b>	45 – 55 seconds ISO Cup4 @ 20°C 25 – 30 seconds BS 4 Cup @ 20°C	
<b>Approved Thickness</b>	25 – 35 microns DFT	60 – 80 microns WFT
<b>Spray Gun</b>	<b>Fluid tip size</b>	<b>Working pressure</b>
<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>Airless</i>	11 – 21 thou	
<i>Air Assisted Airless</i>	11 – 15 thou	
<b>Electrostatic</b>	Resistivity will require adjustment. Please inform your local Cromadex centre at time of purchase.	
<b>Heated Methods</b>	Reduce thinning ratios as required	

# Cromadex 222 Topcoat

Drying and Overcoating	Substrate Temperature	Drying Times		Overcoating Times		
		Touch Dry	Through Dry	Minimum	Maximum	
	20°C	25 mins	16 hours	60 mins	Indefinite	
	35°C	15 mins	12 hours	40 mins	Indefinite	
Note: If topcoat is not overcoated within 14 days then abrade with either P240 or P320 and clean with Cromadex 678 Spirit Wipe						
	<b>Force Drying</b>	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				
	<b>Stoving</b>	Not recommended				
	<b>Full Properties</b>	7 days				
Storage and Handling	<b>Storage</b>	Storage should be in accordance with the instructions in Section 7 of the relevant material safety data sheet				
	<b>Shelf Life</b>	12 months in an unopened, original container from date of mixing at Cromadex centre				
	<b>Pack Size</b>	5 & 20 litres				
Physical Properties	<b>Volume Solids</b>	40 % mixed, dependent on colour and gloss				
	<b>Colour</b>	Full range available including BS, RAL, metallics, sparkles and special matches – all lead chromate free				
	<b>Gloss</b>	Full gloss (90% min)		Semi gloss (60%)		
		Eggshell (30%)		Matt (10%)		
			Plus intermediates on request			
			Measured at 30-35 microns DFT & 60° reflectance			
<b>Coverage</b>	A variance of +/-5% may be obtained dependent on application process 16 m <sup>2</sup> /l @ 25 microns, assuming 100% transfer efficiency					
		<b>VOC</b>		<b>Specific Gravity</b>		
	<b>222 Topcoat</b>	521 g/l (dependent on colour & gloss)		1.12 (dependent on colour & gloss)		
	<b>05-46 Thinner</b>	867 g/l		0.87		
	<b>85-72 Thinner</b>	870 g/l		0.87		
Safety Precautions and Disclaimer	<b>Before using this product please refer to the Cromadex Material Safety Data Sheet.</b>					
	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.						