

Product Data Sheet

Cromadex Liquid Coatings

Cromadex 495 Finish

High Temperature Resistant (up to 550°C) Finish

Product Description

Cromadex 495 is a high temperature resistant finish suitable for items reaching temperatures of up to 550°C.

The product has a fast touch dry time helping to improve productivity. It has excellent covering power helping to reduce application costs.

Cromadex 495 is available in black as standard, with other colours available on request.

Products and Ancillaries

495 Finish
05-46 Thinner (Standard)
85-72 Thinner (Slow)

Suitable Substrates and Preparation

Mild steel	Degrease and abrade with P180. If necessary blast clean to remove millscale, minimum surface preparation SA2.
Aluminium	Degrease and thoroughly abrade with P240
Stainless steel	Degrease and thoroughly abrade with P180

Application Details

Thinning Ratio	5 parts 495 Finish 1 part Thinner (dependent on application equipment)	
Spraying Viscosity	45 – 55 seconds ISO Cup4 @ 20°C	
Approved Thickness	20 – 25 microns DFT	45 – 60 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>Airless</i>	11 – 15 thou	2000-2500 psi (135-170 bar) fluid pressure
<i>Air Assisted Airless</i>	11 – 15 thou	1500 – 2000 psi (100-170 bar) fluid pressure 10 – 30 psi (0.7-1.4 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	

Drying and Overcoating

Substrate Temperature	Drying Times		Overcoating Times	
	Touch Dry	Through Dry	Minimum	Maximum
20°C	10 mins	1 hour	Not recommended	
Stoving	200°C for 30 minutes			
Full Properties	After stoving or when heated article is in use.			

Cromadex 495 Primer Finish

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 litres

Physical Properties

Volume Solids	42.5 %	
Colour	Black, other colours available on request, please contact your local Cromadex centre for more details.	
Gloss	Matt (10%) <small>A variance of +/-5% may be obtained dependent on application process</small>	
Coverage	17 m ² /l @ 25 microns, assuming 100% transfer efficiency	
	VOC	Specific Gravity
495 Primer	485 g/l	1.46
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.