



## Technical Data

<b><u>Product Name</u></b>	<b>CA7045</b>	
<b><u>Product Description</u></b>	Low VOC Polyurethane Primer	
<b><u>Key Features</u></b>	CA7045 is a quick drying, high solids, VOC compliant, chromated primer which exhibits excellent wetting and adhesion characteristics. It can be applied to suitably pre-treated aluminium alloys and has been specifically designed for the long term corrosion protection of aircraft structural components, including fuel tanks. The product exhibits excellent chemical resistance and flexibility. When used in conjunction with CA8351 the product is approved to AIMS 04.04.003.	
<b><u>Specifications – Approval</u></b>	Airbus	AIMS 04-04-001
	Airbus	AIMS 04-04-003
	Airbus	AIMS 04-04-004
<b><u>Specifications – Performance</u></b>	Bombardier	BAMS 565-01
	Bombardier	BAMS 565-08
	UK MOD	BS2X33B
<b><u>Catalyst/Hardener/Activator</u></b>	CA7045B	
<b><u>Thinner/Reducer</u></b>	Not Applicable – product is ready for use.	
<b><u>Pack Size</u></b>	4 Lt Kit	
<b><u>Mix Ratio</u></b>	CA7045	3 Volumes
	CA7045B	1 Volume
<b><u>Recommended Schemes</u></b>	CA7045 is intended for use directly over anodised of Alodine pre-treated aluminium. It is compatible with the following topcoats CA8351GB0627 (AIMS 04.04.003) CA8000, CA8300 Series FE103/FE111 EC94/EC96 EC75	

### **Product Application Parameters**

<b>Surface Preparation</b>	Ensure surface is clean and sound and free from any contaminants. Observe recommended overcoating windows for pre-treatments.
<b>Preparation</b>	Base component may require mechanical agitation. Ensure all pigment is adequately dispersed.
<b>Mixing</b>	Mix base and hardener together and ensure well mixed. Product is then ready for use.
<b>Viscosity</b>	Not Relevant – see above
<b>Induction</b>	Not Required
<b>Pot Life @ 23°C</b>	Maximum 3 Hrs
<b>Application Method</b>	Apply as a light, wet cross coat.
<b>Recommended Application Conditions</b>	Temperature 15° – 30° C Relative Humidity 30 – 85 %

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## Application Equipment

Equipment Type	Tip Size	Pressure (Bar)
Airmix	11 thou	2-3.5
HVLP Air Spray	1.0-1.8	2-3
Conventional Air Spray	1.0-1.8	3
Airless	11 thou	70
Air-assisted Airless Electrostatic	9 thou	2-3.5
Low Pressure Electrostatic	1.0-1.2	4

## Equipment Cleaning

0436/9000 is recommended

## Dry Film Thickness

15 to 25 um

## Drying Times

	23°C	40°C	50°C	60°C	70°C
Dust Free	1 Hr	30 min	15 min	10 min	5 min
Dry Through	4 Hr	2 hr	1.5 hr	1 hr	45 min
Dry to Tape	1 Hr	25 min	20 min	15 min	10 min
Dry to Sand	2 Hrs	When cool			
Dry to Overcoat	1 – 72 Hrs	When cool			
Full Cure	7 Days				

## Flash Off Time

5 Minutes

## Special Notes

After 72 hrs primer must be cleaned, lightly abrade and re-freshed with further coat of CA7045 before application of topcoat.  
For wet-on wet application allow 10 –20 minutes before application of topcoat (CA8351)

## Physical Characteristics

<b>Colour</b>	Yellow, Green (Approx BAC452) and Black.
<b>Gloss</b>	>= 15 @ 60° Head
<b>Coverage</b>	29m <sup>2</sup> per mixed litre @ 20um d.f.t.
<b>Dry Film Density</b>	1.75 g/cm <sup>3</sup>
<b>VOC Content</b>	<350 g/lit.
(Ready for use)	
<b>Flash Point</b>	CA7045 18° C CA7045B 35° C
<b>Shelf Life</b>	24 Months in original unopened containers
<b>Storage Conditions</b>	5° to 35° C

## Health & Safety

This product is safe to use and apply when recommended precautions are observed. Before using this product it is important to read and understand the Material Safety Data Sheet. This provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. Material Safety Data Sheets are available on request.

All recommendations, statements and technical data contained herein are based on tests we reasonably believe to be reliable and correct, but the accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, either express or implied. The User shall rely on its own information and tests to determine the suitability of any product for its intended use and the User agrees to assume all risks and liability arising in relation to its use of such product (other than death or injury resulting from our negligence) and accordingly we shall not assume any such risks or liability unless we specifically agree to the contrary in writing. If we specifically agree to assume any such risks or liability then (except for death or injury resulting from our negligence) our sole responsibility if any product supplied to the User by us is defective shall be to replace that portion of such product which is defective. Recommendations or statements other than those specifically agreed in writing by us shall not be legally binding on us.