



## Product Group

Polyurethane Topcoat

## Characteristics



Product  
Information

Pyroflex® 7D1586 is a universal 3 component, high gloss polyurethane finish for interior and exterior use.

- Excellent gloss retention
- Excellent durability
- Resistant to aircraft hydraulic fluids and chemicals

## Components



Hardener Thinner  
or  
Activator

Hardener 7D1586  
Thinner 3108

## Specifications



Qualified Product  
List

Airbus NT 10.012

For most recent up-date or missing specifications please check the qualified product list (QPL) on [www.akzonobel.com/aerospace](http://www.akzonobel.com/aerospace)

## Surface Conditions



Cleaning

- Observe the recoatability limits of the relevant primer.
- Remove oil, grease and other contaminants prior to application of the finish.
- Recondition aged primers or topcoats with e.g. Scotch-Brite® type A very fine till a uniform matt surface.
- Remove dust with e.g. tack rags prior to application of the finish.

## Instruction for Use



Mixing Ratio  
3 Component  
version  
(volume)

100 parts Pyroflex 7D1586  
50 parts Hardener 7D1586

Reduce to spraying viscosity with:

50 – 75 parts Thinner 3108


- Allow products to acclimatize to room temperature before use
- Stir or shake Pyroflex® 7D1586 till all pigment is uniformly dispersed before adding hardener.
- Add Hardener 7D1586 and stir the catalyzed mixture thoroughly.
- Add thinner and stir again till a homogeneous mixture.





Induction Time


30 minutes after mixing base and hardener



	Initial Spraying Viscosity (21°C/70°F)	13 – 14 seconds AFNOR 4 38 – 42 seconds AFNOR 2.5
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	Note	Viscosity measurements are provided as guidelines only and are not to be used as quality control parameters. Certified information is provided by certification documentation available on request.
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	Pot Life (21°C/70°F)	8 hours
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	Dry Film Thickness (DFT)	25 – 35 µm 1.0 – 1.4 mils
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**Application Recommendations**

	Conditions	Temperature: 15 – 35°C 59 – 95°F Relative Humidity: 35 – 75%
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	Equipment	Air 1.4 mm nozzle orifice HVLP 1.4 mm nozzle orifice Airless 6.11 – 6.13, (.011 - .013 inch) angle 60°
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	Number of Coats	Apply a mist coat followed after 10 minutes flash-off time by a cross coat or two single coats.
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	Cleaning of Equipment	Solvent Cleaning C 28/15 or Solvent Cleaning 98068
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	Note	The quality of the application of all coatings will be influenced by the spray equipment chosen and the temperature, humidity, and air flow of the paint application area. When applying the product for the first time, it is recommended that test panels be prepared in order to identify the best equipment settings to be used in optimizing the performance and appearance of the coating.
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**Physical Properties**

	Drying Times (21°C/70°F)	Dust free 2 hours Dry to tape 16 hours Recoat minimum 6 hours Recoat maximum 72 hours. If a drying time of 72 hours is exceeded, condition surface with e.g. Scotch-Brite® type A very fine.
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	Theoretical Coverage	31 m <sup>2</sup> per liter base material at 25 µm dry film thickness 1270 ft <sup>2</sup> per US gallon base material at 1.0 mil dry film thickness						
	Gloss (60°)	Minimum 90 GU						
	Color	BAC 707						
	Flash-point	<table border="0"> <tr> <td>Pyroflex® 7D1586</td> <td>&lt;21°C / 70°F</td> </tr> <tr> <td>Hardener 7D1586</td> <td>&gt;21°C / 70°F</td> </tr> <tr> <td>Thinner 3108</td> <td>&lt;21°C / 70°F</td> </tr> </table>	Pyroflex® 7D1586	<21°C / 70°F	Hardener 7D1586	>21°C / 70°F	Thinner 3108	<21°C / 70°F
Pyroflex® 7D1586	<21°C / 70°F							
Hardener 7D1586	>21°C / 70°F							
Thinner 3108	<21°C / 70°F							
	Storage	<p>Store the product dry and at a temperature between 5 and 25°C / 41 and 77°F. Stored in the original unopened containers.</p> <table border="0"> <tr> <td>Pyroflex® 7D1586</td> <td>24 months</td> </tr> <tr> <td>Hardener 7D1586</td> <td>12 months</td> </tr> <tr> <td>Thinner 3108</td> <td>36 months</td> </tr> </table>	Pyroflex® 7D1586	24 months	Hardener 7D1586	12 months	Thinner 3108	36 months
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**Safety Precautions**

Comply with all local safety, disposal and transportation regulations. Check the Material Safety Data Sheet (MSDS) and label of the individual products carefully before using the products. The MSDS's are available on request.

**Issue date: August 2009 (supersedes September 2006) - FOR PROFESSIONAL USE ONLY**

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given is subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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