

AkzoNobel  
Aerospace Coatings

## Aerodur Clear 43022 / Clear Fluo 43023

### Technical Data Sheet

#### Product Group

Clear coat

#### Characteristics

Product  
Information

Aerodur Clear 43022 and Aerodur Clear Fluo 43023 are a one component polyurethane finish for printed circuits and component protection.

#### Components



Thinner

Thinner D4064.

#### Specifications

Qualified  
Product List

AkzoNobel specification

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

- Remove oil, grease and other contaminations prior to application of the finish.
- Wash carefully the printed circuit / components, or former Aerodur Clear 43022/43023 layer with Thinner D4064









#### Instruction for Use

Mixing Ratio  
(volume)

100 part Aerodur Clear 43022 / Aerodur Clear 43023 fluorescent

- Brush application: apply as delivered.
  - Spray gun application: add 25 to 35 parts of Thinner D4064.
  - Dip application: add 5 to 15 parts Thinner D4064
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- Allow products to acclimatize to room temperature before use.
  - Stir before application.

## Aerodur Clear 43022 / Clear Fluo 43023

	Induction Time	Not applicable.
	Initial Spraying Viscosity (20°C/68°F)	<ul style="list-style-type: none"> <li>- Brush application, as delivered.</li> <li>- Spray gun application : 17 ± 2s (ISO cup-4, with 25 to 35% of Thinner D4064).</li> <li>- Dip application : 30 ± 2s (ISO cup-3, with 5 to 15% of Thinner D4064).</li> </ul>
	Note	<p>The flow cup viscosity will increase as the pot life progresses. 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.</p>
	Pot life (23+/-2 °C /68°F)	8 hours.
	Dry Film Thickness (DFT)	30 µm recommended (1.2 mil )
<b>Application Recommendations</b>		
	Conditions	<p>Temperature: 23°C (recommended)          Relative Humidity: 50% (recommended)</p>
	Equipment	<p>Paint brush          Spray gun          Dip application</p>
	Number of Coats	<p>To achieve the 30microns recommended by spray application, apply a one closed coat of Aerodur Clear 43022 / 43023. Allow 1hr to 4hrs flash-off followed by a second closed coat of Aerodur Clear 43022 / 43023.</p>

## Aerodur Clear 43022 / Clear Fluo 43023



Cleaning of equipment

Thinner D4064



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.

### Physical Properties



Drying Times

Aerodur Clear 43022 / 432023 can be forced cured after 20min flash-off at ambient conditions

	<u>Ambient</u>	<u>70°C</u>	<u>90°C</u>
Dust Free	1 hr	30 min	30min
Dry to Handle	4 hrs	30 min	30 min
Dry Hard	5 hrs	30 min	30 min



Theoretical Coverage

23.7 m<sup>2</sup> per liter base material at 20 µm dry film thickness.



Gloss (60°)

> 80? G.U



Color

Clear



Volatile Organic Compounds

Aerodur Clear 43022	463 g/L
Aerodur Clear Fluo 43023	465 g/L



Flash-point

Aerodur Clear 43022	14°C
Aerodur Clear 43023	14°C

## Aerodur Clear 43022 / Clear Fluo 43023



### Storage

Store the product dry and at a temperature between 5 and 35 °C / 40 and 95 °F per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers.

Shelf life  
5 – 35 °C  
(40 – 95 °F)

Aerodur Clear 43022	12 months
Aerodur Clear 43023 fluorescent	12 months

Short time exposure outside of these conditions may influence the shelf-life of the product.



### Note

Additional technical information about Aerodur Clear 43022 and Aerodur Clear Fluo 43023 can be provided upon request.

### 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.

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**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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