

# Aerodur Finish SGL Aluminium

## Technical Data Sheet

### Product Group

### Characteristics



Product Information

### Polyurethane Top Coat

Aerodur Finish SGL Aluminium is a universal 3-component polyurethane finish for interior and exterior use.

- Resistance to staining
- Resistant to aircraft hydraulic fluids and chemicals
- Well balanced pot life / drying characteristics

### Components



Base	Aerodur Finish SGL Aluminium
Hardener	Hardener S 66/22 R
Thinner	Thinner C 25/90 S
Thinner	Thinner 98064 (warm conditions)

### Specifications



Qualified Product List

SafranLandingSystems PCS-2500, 32-09-01 Section 36B

Product specifications are constantly changing, to ensure the most accurate information regarding specifications, please check our online qualified product list (QPL) at [aerospace.akzonobel.com/products](https://aerospace.akzonobel.com/products).

### Surface Conditions



Surface Preparation/  
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



Spray Application (Mix Ratio)

	Volume
Aerodur Finish SGL Aluminium	100 parts
Hardener S 66/22 R	100 parts
Thinner*	50-75 parts

\* Thinner options: Thinner C 25/90 S, Thinner 98064 (warm conditions)

Reduce to spraying viscosity with:  
50 – 75 parts Thinner C 25/90S or Thinner 98064

- Allow products to acclimatize to room temperature before use
- Stir or shake Aerodur Finish SGL Aluminium till all pigment is uniformly dispersed before adding hardener.
- Add Hardener S 66/22 R and stir the catalyzed mixture thoroughly.
- Add thinner and stir again till a homogeneous mixture.



Induction Time




15 – 30 minutes after mixing.










Initial Spraying Viscosity  
(23°C/73°F)

36 – 45 seconds ISO Cup #3  
27 – 30 seconds Gardner Signature Zahn Cup #1


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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.
	Pot life (23°C/73°F)	6 hours.
	Dry Film Thickness (DFT)	30 – 40 µm 1.2 – 1.6 mils

### Application Recommendations

	Conditions	Temperature: 15 – 35 °C 59 – 95 °F
		Relative Humidity: 35 – 75 %
	Note	Aerodur Finish SGL Aluminium may be applied in conditions outside the limits shown above. Care must be exercised to ensure a satisfactory result. Please contact your local AkzoNobel Aerospace Coatings representative to determine the appropriate application techniques when environmental conditions fall outside of the recommended range.
	Equipment Recommendation	Air 1.4 mm nozzle orifice HVLP 1.4 mm nozzle orifice Air Electrostatic 1.2 mm nozzle orifice Airless Electrostatic 6.11 – 6.13, (.011 - .013 inch) angle 60°
	Number of Coats	Apply an even and uniform coat of Aerodur Finish SGL Aluminium followed after 30 – 60 minutes solvent flash-off time by a cross coat.
	Note	To obtain an even and uniform appearance dilute the mixed paint with an extra 100% Thinner. Apply after 30 – 60 minutes a mist coat by using a cup gun or pressure pot spray gun.
	Cleaning of Equipment	Solvent Cleaning C 28/15 or Solvent Cleaning 98068.
	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	<b>23°C/73°F, 55% RH</b>
	Dust Free	2 – 3 hours
	Dry to Tape	6 – 8 hours
	Force Drying	30 minutes flash-off followed by 1 hour at 80°C, 2 hours at 60°C or 4 hours at 50°C
	Recoatable Minimum	6 hours for decoration colors

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23°C/73°F, 55% RH

	Recoatable Maximum	72 hours If a drying time of 72 hours is exceeded, condition surface with e.g. Scotch-Brite type A very fine
	Theoretical Coverage	24 m² per liter base material at 30 µm dry film thickness. 963 ft² per US gallon base material at 1.2 mil dry film thickness.
	Volatile Organic Compounds	Maximum 680 g/l
	Gloss (60°)	15 – 70 GU
	Gloss	For permanent high gloss an additional cross-coat of Aerodur Clearcoat UVR can be applied.
	Color	Aluminium
	Flash Point	Aerodur Finish SGL Aluminium >21°C / 70°F Hardener S 66/22 R >21°C / 70°F Thinner C 25/90 S -4°C / 25°F Thinner 98064 (warm conditions) >21°C / 70°F
	Storage	Store the product dry and at a temperature between 5 – 35 °C / 41 – 95 °F per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Refer to container label for specific storage life information.
	Shelf life 5 - 35°C (41 - 95°F)	Aerodur Finish SGL Aluminium 18 month Hardener S 66/22 R 24 months Thinner C 25/90 S 12 months Thinner 98064 (warm conditions) 36 months

**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.

Revision date: April 2025 (supersedes September 2021) - 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

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