

Product Group

Fluid resistant finishes

Characteristics



Product
Information

Daylight Reflecting System is a base-coat/clear-coat system for exterior use.

- High daylight reflection
- Resistant to aircraft fluids and chemicals.

Components



Hardener Thinner
or
Activator

Hardener S 66/22 R
Thinner C 25/90 S

Specifications



Qualified Product
List

Airbus TN.A.007.10050.106

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

Surface Conditions



Cleaning

- Autocryl® Reflex must be applied on top of a white polyurethane topcoat e.g. Aerodur® Finish C 21/100 UVR white, after a drying time of 16 – 72 hours.
- Remove oil, grease and other contaminations prior to application of Autocryl® Reflex.
- Remove dust with e.g. tack rags prior to application of Autocryl® Reflex.

Instruction for Use



Mixing Ratio
(volume)

100 parts Autocryl® Reflex.
50 parts Hardener S 66/22 R
Reduce to spraying viscosity with:
10 – 25 parts Thinner C 25/90 S.

- Allow products to acclimatize to room temperature before use.
- Stir or hake Autocryl® Reflex 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

Stir mixture thoroughly before application



Initial Spraying
Viscosity
(21°C/70°F)

48 – 56 seconds ISO-Cup 4
23 – 26 seconds Gardner Signature Zahn-Cup #2.



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
(21°C/70°F)

4 hours



Dry Film
Thickness
(DFT)

75 – 100 micron (μm)
3.0 – 3.9 mils

Application Recommendations



Conditions

Temperature: 15 – 35°C
59 – 95°F
Relative Humidity: 35 – 75%



Note

Autocryl® Reflex may be applied in conditions outside of the limits shown above. Care must be exercised to ensure a satisfactory result. Please contact your local AkzoNobel Aerospace Coatings representative to determine the proper application techniques when environmental conditions fall outside of the recommended range.



Equipment

Air 1.4 – 1.8 mm nozzle orifice
HVLP 1.4 – 1.8 mm nozzle orifice



Application
Scheme

- One single coat. After 10 – 15 minutes flash-off apply a cross-coat followed after another 10 -15 minutes flash-off by a second cross-coat
 - Apply Aerodur® Clearcoat UVR after a drying time of 4 hours.
- For application recommendations see data-sheet code 30-03.



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
(21°C/70°F, 55%
RH)

Set to touch	0.5 – 1 hour
Dust free	3 hours
Recoat min.	4 hours
Recoat max.	72 hours



Theoretical
Coverage

9 m² per liter base at 75 µm dry film thickness
361 ft² per US gallon base at 3.0 mil dry film thickness



Dry film weight

1.2 g/m²/µm
0.0062 lbs/ft²/mil



Gloss (60°)

Over-coated with Aerodur[®] Clearcoat UVR > 90 GU



Color

Red RAL 3024



Flash-point

Autocryl [®] Reflex.	>21°C / 70°F
Hardener S 66/22 R	>21°C / 70°F
Thinner C 25/90 S	<21°C / 70°F



Storage

Store the product dry and at a temperature between 5 and 25°C / 41 and 77°F. Stored in the original unopened containers.

Autocryl [®] Reflex.	48 months
Hardener S 66/22 R	24 months
Thinner C 25/90 S	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.

Issue date: August 2009 (supersedes October 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.

Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.
Scotch-Brite[®] is a trademark of 3M.