Optidur 6000 UV Filler

Technical Data Sheet

Product Group

Cabin Coatings

Characteristics

Product Information

Optidur 6000 UV Filler is a 1-component high quality, Ultra Violet Reactive Coating (UV), used as a filler on all types of solid wood and veneer meant for interior use. Its special formulation ensures excellent filling properties.

UV cured Polyurethane / Polyester resins provide the basis for Optidur 6000 UV Filler. These resins chemically combine to form the backbone of the final coating. The material is specifically formulated to obtain premium performance with respect to filling properties and ease of application. The Optidur 6000 UV Filler is designed to provide superior clarity to a high build system.

- Near Zero VOC
- Excellent adhesion on wood
- Good filling properties
- Excellent scratch resistance
- Suited for hand application

Product is part of the Optidur Series which utilizes the latest resin technology and sets the standard for minimum process times, reduced process cycle costs and environmental care.

Components

Base material	Optidur 6000 UV Filler

Specifications

Qualified Product List

AkzoNobel	ANAC Specification

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.

AkzoNobel Aerospace Coatings
1 East Water Street, Waukegan, IL 60085, USA - Phone (847) 623 4200
Rijksstraatweg 31, 2171 AJ Sassenheim, The Netherlands - Phone (31) 71 308 2905
Mail: aerospace@akzonobel.com / Online: aerospace.akzonobel.com

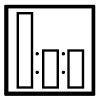
Optidur 6000 UV Filler

Surface Conditions

Cleaning

- Product is compatible with other products out of the Optidur Series.
- Raw wood should be coated with Optidur 7100 Tie Coat prior to application of Optidur 6000 UV Filler.
- Remove oil, grease and other contaminations carefully using an appropriate mild cleaning solvent like isopropyl alcohol.
- Remove dust with clean tack rags or equivalent prior to application of Optidur 6000 UV Filler.

Instruction for Use



Mixing Ratio (volume)

	Volume (v/v)	Weight (w/w)
Optidur 6000 UV Filler	100 parts	100 parts

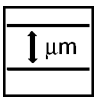
- Mechanical mixing/stirring is preferred, or shake the mixture thoroughly on a paint shaker for 120 seconds.

Induction Time

Not applicable.

Pot life (25ºC/77ºF)

Not applicable.



Dry Film Thickness (DFT)

Depending on substrate:
6 – 25 µm
0.25 – 1 mil

Note

Review SDS for proper Personal Protective Equipment (PPE).

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Application Recommendations

Conditions

Temperature:	15 - 35°C 59 - 95°F
Relative Humidity:	25 - 85%

Note

Optidur 6000 UV Filler 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

Apply filler by manual application and spread with a rag, trowel, filling knife, or similar device.

Number of Coats

- Apply generous amount on to the substrate
- Work it on the substrate by wiping or scraping in a circular motion.
- Clean excess filler on the surface leaving only in the wood pores or imperfections of the substrate.
- UV Cure with 200 – 300 millijoules (UVA) energy

In case multiple passes are required, it is an option to cure the 1st pass at lower energy which gives a tacky result and the 2nd pass at a higher energy to cure the system fully. This process increases the intercoat adhesion between the layers. If only 1 coat is applied and fully cured, lightly sand the cured filler with P320 sandpaper or an aluminum oxide nonwoven abrasive pad and clean the surface prior to application of the next layer.

Cure Guidelines

UV Cure with 200 – 300 millijoules (UVA) energy.
Filler can be cured using most types of UV lamps. Check energy output prior to use.

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Cleaning of Equipment	Clean equipment with Solvent Cleaning C28/15 or Solvent Cleaning 98068. Clean equipment directly after use.
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 prepared to identify the best equipment settings to be used in optimizing the performance and appearance of the coating.

Physical Properties

Theoretical Coverage	39.3 m^2 per liter ready to apply at 25 µm dry film thickness 1600 ft^2 per US gallon ready to apply at 1 mil dry film thickness
Dry Film Weight	29.2 g/m^2/25 µm 0.006 lbs/ft^2/mil
Volatile Organic Compounds	< 2.4 g/l, ready to apply < 0.02 lbs/gal
Gloss (60º)	Not applicable.
Color	Clear

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Flash-point — Not applicable.

Storage — Store the product dry and at a temperature between 5 and 21ºC / 41 and 70ºF per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Storage temperature and shelf life may vary per OEM specification requirements. Refer to container label for specific storage life information.

Always Rotate Stock.

Shelf life
5 - 21°C
(41 - 70°F) / 55%
RH

Optidur 6000 UV Filler 12 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: October 2023 (supersedes None)- 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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