

Polystop LP

Technical Data Sheet

Product Group

Characteristics



Product Information

Components



Specifications



Qualified Product List

Surface Conditions



Surface Preparation/
Cleaning

Instruction for Use



Brush Application (Mix Ratio)



Pot life (23°C/73°F)

Composite Coating

Polystop LP is a low VOC, 2-component, peroxide cured polyester stopper to fill dents, surface flaws and other surface irregularities on different substrate types.

- Fast curing at ambient conditions.
- Low VOC.
- Compatible with a wide range of composite, plastic, and metallic substrates.
- Overcoatable with all AkzoNobel Aerospace Coatings primers and fillers.

Base	Polystop LP
Curing Solution	Putty Hardener

Airbus	TN A.007.10050 - 76
BAESystems	BAEP 3527, AVP 3-003

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.

Polystop LP can be applied directly on composite substrate or over epoxy primers

- Remove release agents from the substrate very carefully.
- Sand composite component to a uniform matt surface using P320 grid and blow panels dust free with pressured air.
- Degrease surface with the wipe-on-wipe-off method using a non-substrate aggressive cleaner.
- When using forced cure schedule with composites, it is recommended to degas the substrate prior to application of the primer.
- Clean aged epoxy primer and sand with Scotch-Brite® type A very fine to a uniform matt surface.
- Remove dust with e.g. tack rags just prior to application.
- The stopper should be completely dry before sanding. The stopper must be sanded back to the substrate completely. Start sanding with grid P240 followed by P320 and end with P400 to obtain a smooth surface without sanding marks.

Do not apply Polystop LP to thermoplastic acrylic finishes or wash primers!







	Volume
Polystop LP	100 parts
Putty Hardener	1, 2 or 3 parts

- Allow products to acclimatize to room temperature before use.
- Mix the components thoroughly using e.g. a spatula until a homogeneous color is achieved.
- Mix enough volume you can process in pot life
- Preferably use the dispenser to dispense Polystop LP and its hardener simultaneously in the specified proportions.






3% Hardener	7 minutes
2% Hardener	11 minutes
1% Hardener	20 minutes

Polystop LP


Application Recommendations

	Conditions	Temperature: 15 – 35 °C 59 – 95 °F Relative Humidity: 25 – 85 %
	Note	Polystop LP may be applied in conditions outside of the 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 Recommendation	Apply Polystop LP with a metallic, rubber or plastic spatula.
	Number of Coats	Fill surface flaws, cracks and holes in one coat using the spatula.
	Cleaning of Equipment	Clean equipment with Solvent Cleaning C28/15 or Solvent Cleaning 98068. Clean equipment directly after use.
	Note	The way of application, skills, and experiences of the painter and surrounding conditions (temperature, relative humidity, airspeed) significantly affect the final appearance. When using the product for the first time it is strongly recommended to apply some test panels first.

Physical Properties

	Drying Times	Dry to sand: <table><tr><td></td><td>21°C/70°F - 55%(RH)</td><td>40°C/104°F</td></tr><tr><td>3%</td><td>30 minutes</td><td>20 minutes</td></tr><tr><td>2%</td><td>40 minutes</td><td>30 minutes</td></tr><tr><td>1%</td><td>50 minutes</td><td>40 minutes</td></tr></table> The best overcoat results are obtained when Polystop LP is lightly sanded before over coating. Recoat minimum When dry-to-sand Recoat maximum 72 hours. If a drying time of 72 is exceeded recondition the surface with e.g. Scotch-Brite® type A very fine. Curing of Polystop LP depends on temperature, relative humidity and air flow. Increased temperatures, low RH and efficient airflow can decrease the drying times significantly. If forced cure is applied, the curing temperature shall not exceed 70°C/158°F in order to avoid cracking, bubbling or loss of adhesion!		21°C/70°F - 55%(RH)	40°C/104°F	3%	30 minutes	20 minutes	2%	40 minutes	30 minutes	1%	50 minutes	40 minutes
	21°C/70°F - 55%(RH)	40°C/104°F												
3%	30 minutes	20 minutes												
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	Note													
	Volatile Organic Compounds	Max. 10 g/L (ready to use mixture).												
	Color	Beige / Cream												
	Flash Point	Polystop LP >21°C / 70°F Putty Hardener >21°C / 70°F												

Polystop LP

	Storage	Store the product dry and at a temperature between 5 and 35°C / 41 and 95°F per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Storage temperature and shelf life may vary per OEM specification requirements. Refer to the container label for specific storage life information.	
	Shelf life 5 - 35°C (41 - 95°F)	Polystop LP	12 months
		Putty Hardener	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.
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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. Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel