



## Product Group

Composite Coatings / Primer Surfacers

## Characteristics



Product  
Information

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

## Components



Hardener  
Thinner or  
Activator

Hardener for Polystop LP

## Specifications



Qualified  
Product List

Airbus France	PQ 10050 H-076
Bombardier/Shorts	P Spec 915/918
BAE Systems	BAEP 3527, AVP 3-003

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



Pretreatment /  
Cleaning

- 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.

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

## Instruction for Use



Mixing Ratio  
(volume)

100 parts	Polystop LP
1, 2 or 3 parts	Hardener for Polystop LP

- 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.



Induction Time

Not applicable. Products can be used directly after mixing.



Pot Life  
(20°C/68°F)

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

## 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 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

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.



Sanding

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.



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

		21°C/70°F - 55%	40°C/104°F
Dry to sand	3%	30 minutes	20 minutes
	2%	40 minutes	30 minutes
	1%	50 minutes	40 minutes

Note: 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!

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.



Volatile Organic  
Compounds

Max. 10 g/L (ready to use mixture)



Color

Beige / Cream



Flash-point

Polystop LP	>21°C / 70°F
Hardener for Polystop LP	>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.

Shelf life  
(21°C/70°F and  
55% RH)

Polystop LP	12 months
Hardener for Polystop LP	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' 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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