

Technical Data Sheet

Aerospace Transparencies



PPG HYDROSKIP® exterior “replenishable” finish for rain and water removal on transparent coated and uncoated plastic materials.



Description

PPG HYDROSKIP® is a fast activating hydrophobic replenishable finish originally designed for the F-16 Program.

Hydroskip contains no fluorocarbons or silicones. *Hydroskip* is specially formulated for use on plastic substrates used in the aerospace industry, allowing it to be used across multiple programs while remaining REACH compliant.

General directions and easy-to-follow steps for use of *Hydroskip* can be found on the reverse side. This information is intended as a general guide only.

Part numbers

Hydroskip.....PN5005560.....NSN7930-01-669-3161
16 fluid ounces (473 ml) aluminum bottle w/spray attachment

Physical properties

Properties	PPG specification
Appearance	Clear liquid (flammable)
Flash point (solvent)	8 °C (46 °F)
Contact angle on coated finish	108°
Average coverage yield	One 16 fluid ounce (473 ml) bottle will treat approximately 100ft ² (or 9 m ²)
Typical shelf life	3 years (36 months) when store per PPG <i>Hydroskip</i> SDS
Features	Benefits
Fast drying	No aircraft downtime – The aircraft is ready to fly immediately after application
Tested using ASTM F791 and ASTM484 as a guide on cast acrylic, on stretched acrylic and on coated polycarbonate	Capable to finish a variety of surfaces
Typical service life: 2 to 4 weeks depending on aircraft usage	Frequency of re-application – Adjustable upon aircraft usage

PPG HYDROSKIP® exterior “replenishable” finish for rain and water removal on transparent coated and uncoated plastic materials.

General directions for use

Hydroskip contains flammable liquid and vapor. Use in well-ventilated area. Do not use or apply on extremely hot surfaces above 50 °C (122 °F).

Swirl bottle of *Hydroskip* immediately prior to use.

Step 1. Canopy/window surface preparation

The transparency surface shall be cleaned in accordance with applicable maintenance and or Technical Orders, and finished using PPG TEX-WHIZ® polish. This will ensure the transparency surface is properly cleaned prior to application of *Hydroskip*. Follow directions on *Tex-Whiz* bottle, and aircraft maintenance/technical order reference.

Apply polish to surface with clean cotton cloth or cheesecloth cloth using circular motion. Allow surface to dry and wipe off excess polish with a clean piece of cotton or cheesecloth. Finish with a clean cotton cloth or cheesecloth. Repeat above, as necessary, until transparency surface is clear and clean.

Step 2. *Hydroskip* application:

Take a clean piece of cheesecloth and fold into a pad. Spray 15 pumps from the *Hydroskip* sprayer into the pad. Immediately wipe on the transparency surface doing approximately four (4) square foot (or 0.37 square meter) area at a time (*Hydroskip* can be applied to the transparency surface in sections and finished, and then overlapped from another section, as required).

Immediately when flash is complete (usually within one minute and surface will have a light yellow haze), buff-off with a clean piece of cheesecloth. Take a fresh piece of cheesecloth and perform a finish buff on treated area of transparency surface until clear (similar to removing an automotive polish).

For best results apply above 0 °C (32 °F). *Hydroskip* can be applied below freezing temperatures if the transparency substrate surface is dry.

Aircraft will be ready for immediate use after *Hydroskip* application.

Hydroskip can be re-applied, as required. *Hydroskip* can be removed by cleaning transparency with *Tex-Whiz* Polish.

Ordering information

Orders may be placed through PPG's worldwide network of aerospace application support centers (ASCs). For the ASC nearest you, visit www.ppgaerospace.com.

In North America, call toll-free +1 (800) AEROMIX.

Pricing, warranty and delivery details are available from your PPG aerospace sales representative.

Health precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Safety Data Sheet (SDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An SDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

For industrial use only. Keep away from children.

For emergency information call: 1-412-434-4515.

Additional information can be found at www.ppgaerospace.com.

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