

Aviation Window Restoration System - Clearfix Aerospace Clarity Restoration Polish 1, Optics Restoration Polish 2 and UV Coating

Product Description

The Aviation Window Restoration System by Clearfix Aerospace is an easy-to-use, three step restoration process with an optional UV filler designed for acrylic or polycarbonate windows. The Clearfix system removes light scratches, hazing and other small imperfections, then provides durable, effective UV protection.

The Clarity Restoration Polish (Step 1) is a water-based buffing material that quickly removes small scratches and haze from acrylic and polycarbonate substrates.

The Clarity Restoration Polish (Step 2) is a water-based buffing material that refines the substrate surface optics and prepares the substrate for the Clearfix UV Coating (Step 3)

Key Features

- Water Soluble (Steps 1 & 2)
- Quick and easy to use
- Useable on windows still in aircraft
- Stable and long shelf life

Typical Uncured Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes

Product:	Clarity Restoration Step 1	Optics Restoration Step 2	UV Coating Step 3
Color	Off White	Off White	Clear
Base	High Viscosity Paste	High Viscosity Paste	Low Viscosity Clear Liquid
Viscosity	5,000 – 14,000 cps	6,000 – 14,000 cps	2.0 – 4.0 cps
VOC	0% by weight	0% by weight	753 Grams per liter
Specific Gravity	1.2	1.2	.81 gm/cc
Storage	Extended shelf life when stored at 50°F - 75°F		

For information on product application, please see “Directions For Use” document included with packaging, or available at www.clearfixaerospace.com Also watch the training video available on You Tube “Clearfix Training”

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, please visit www.clearfixaerospace.com or call 1-619-297-3678.

For Additional Information

Call 1-619-297-3678, or e-mail info@clearfixaerospace.com

Technical Data - Aviation Window Restoration System by Clearfix Aerospace

Aviation Window Restoration System Test Data

Substrate / Clearfix Products Listed	Test or Method	Test Equipment	Test Result
Polycarbonate/Clearfix Steps 1,3	Surface Resistivity/ASTM D257	Keithley® Model 6517B Electrometer/High Resistance Meter	Side 1: 7.7E+15 ohms Side 2: 1.1E+13 ohms
Polycarbonate/Clearfix Steps 1,2,3	Surface Resistivity/ASTM D257	Keithley® Model 6517B Electrometer/High Resistance Meter	Side 1: 4.0E+15 ohms Side 2: 1.1E+13 ohms
Acrylic Passenger Window/Clearfix Steps 1,3	UV-Vis-NIR Absorption Spectroscopy	Perkin Elmer® LAMBODA™ UV/VIS/NIR Spectrophotometer	All samples as observed for steps 1,2,3 were within 1% transmission and steps 1,3 were within 2%
Acrylic Passenger Window/Clearfix Steps 1,2,3	UV-Vis-NIR Absorption Spectroscopy	Perkin Elmer® LAMBODA™ UV/VIS/NIR Spectrophotometer	All samples as observed for steps 1,2,3 were within 1% transmission and steps 1,3 were within 2%
Acrylic Passenger Window/Clearfix Steps 1,3	Steady-State Fluorescence Spectroscopy	HORIBA Jobin Yvon Fluorolog® Fluorescence Spectrometer	No noticeable fluorescence system samples @ 735nm and 900nm excitation
Acrylic Passenger Window/Clearfix Steps 1,2,3	Steady-State Fluorescence Spectroscopy	HORIBA Jobin Yvon Fluorolog® Fluorescence Spectrometer	No noticeable fluorescence observed on system samples @ 735nm and 900nm excitation
Polycarbonate/Clearfix Steps 1,3	Accelerated UV testing per 4-14 method	BYK Gardner-Haze Gard plus	1 year indoor UV exposed sample showed an initial haze of 1.54 and then a post exposure haze reading of 3
Polycarbonate/Clearfix Steps 1,2,3	Accelerated UV testing per 4-14 method	BYK Gardner-Haze Gard plus	1 year indoor UV exposed sample showed an initial haze 1.43 and then a post exposure haze reading of 2.54

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that Clearfix Aerospace believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond Clearfix Aerospace's control and uniquely within user's knowledge and control can affect the use and performance of a Clearfix product in a particular application. Given the variety of factors that can affect the use and performance of a Clearfix product, user is solely responsible for evaluating the Clearfix product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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