

TECHNICAL DATA

COCKPIT AND PASSENGER-CABIN WINDOWS

ATR 42/72



PPG Aerospace is a leading and experienced source of original-equipment and replacement windshields, side cockpit windows and passenger-cabin windows for the ATR 42/72 family of aircraft. Operators of ATR 42/72 aircraft know that PPG transparencies have outstanding service life, as shown in PPG in-service reliability studies.

PPG is introducing a new design for the No. 2 side cockpit window for ATR 42/72 aircraft. Proprietary PR-2060 sealant replaces the polysulfide moisture seal beneath the Z-retainer to enhance moisture barrier properties. A metal insert around the window periphery stiffens the edge and enhances structural integrity. The redesigned configuration provides terminating action for EASA Airworthiness Directive 2009-0159-E and FAA Airworthiness Directive 2009-18-18.

Operators can buy replacement cockpit and passenger-cabin windows from PPG for convenience and time savings of buying directly from a single source for their ATR 42/72 fleet.

SURFACE SEAL® Coating by PPG

Surface Seal hydrophobic coating improves the ability of glass-faced windshields to shed water for enhanced visibility during wet conditions and is available for application to PPG windshields for ATR 42/72 aircraft. *Surface Seal* coating kits are available for field application to windshields on in-service aircraft.

Stocks Worldwide

With inventories of cockpit windows maintained worldwide, PPG is able to service customers from global stocking locations.

Cockpit and Passenger-Cabin Windows

Features	Benefits
Original Equipment Manufacturer (OEM) Since Program Inception	<ul style="list-style-type: none"> Proven reliability Latest design and upgrades Worldwide support
ATR Basic Source Supplier	Flying OEM-selected windows

Main Windshield

Features	Benefits
Thermally Tempered Glass Outboard Ply	<ul style="list-style-type: none"> Foreign-object damage resistance Chemical and abrasion resistance High load-carrying capabilities
Herculite® II Chemically Strengthened Glass	<ul style="list-style-type: none"> High strength-to-weight ratio Chemical and abrasion resistance
Urethane Interlayer	<ul style="list-style-type: none"> Provides maximum adhesion for resistance to delamination and extends service life Elasticity at low temperatures reduces potential for delamination and cold chipping
Nesatron® Anti-ice System	Superior heat uniformity and optics

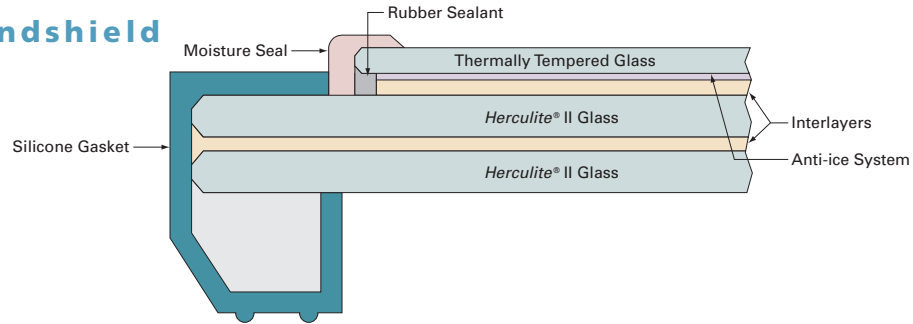
No. 2 Side Cockpit Window

Features	Benefits
New Design	<ul style="list-style-type: none"> Eliminates airworthiness directive-mandated inspections
All-Glass Design	<ul style="list-style-type: none"> Sole all-glass laminated design
Herculite® II Chemically Strengthened Glass	<ul style="list-style-type: none"> High strength-to-weight ratio Chemical and abrasion resistance
Urethane Interlayer	<ul style="list-style-type: none"> Provides maximum adhesion for resistance to delamination and extends service life Elasticity at low temperatures reduces potential for delamination and cold chipping
PR-2060 Moisture Seal	<ul style="list-style-type: none"> Superior moisture barrier Moisture absorption five to 10 times less Moisture vapor transmission two to three times less Eco-friendly formulation
Metal Insert	<ul style="list-style-type: none"> Helps maintain window structural integrity Stiffens edge to resist deflection
Stainless Steel Z-Retainer	<ul style="list-style-type: none"> Permanent physical barrier protects sealant against moisture ingress
Aircon® Anti-ice System	Uniform heating

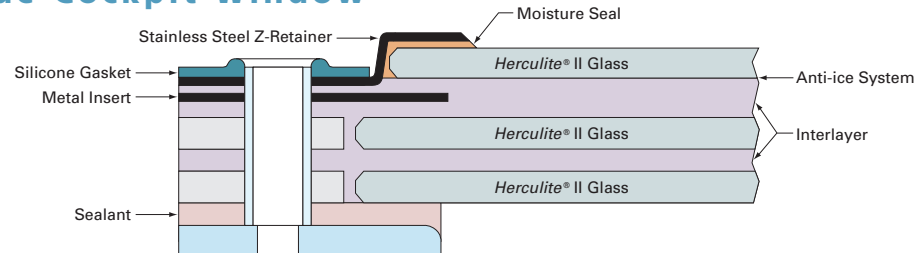
No. 3 Side Cockpit Window

Features	Benefits
Stretched-Acrylic Plies	<ul style="list-style-type: none"> Lightweight

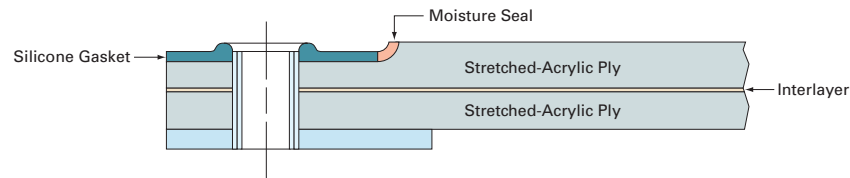
Main Windshield



No. 2 Side Cockpit Window



No. 3 Side Cockpit Window



Part Numbers

Cockpit Windows

Pilot Windshield.....	NP-158801-3
Copilot Windshield.....	NP-158801-4
Pilot No. 2 Side Window.....	NP-158862-3
Copilot No. 2 Side Window.....	NP-158862-4
Pilot No. 3 Side Window.....	NP-158803-1
Copilot No. 3 Side Window.....	NP-158803-2

Passenger-Cabin Windows

Standard Assembly	NP-158824
Standard Outer Pane	NP-158824-101
Standard Gasket	NP-158824-103
Forward Ice Impact Assembly.....	NP-158814
Forward Ice Impact Outer Pane	NP-158814-101
Forward Ice Impact Gasket	NP-158814-103
Aft Ice Impact Assembly	NP-158815
Aft Ice Impact Outer Pane	NP-158815-101
Aft Ice Impact Gasket	NP-158815-103
Inner Pane (Universal Fit)	NP-158824-102

Hump Seal Repair Kit

Surface Seal Coating System Kit

Cockpit Window Heat Controllers

624932-2

HYLZ50310

Ordering Information

Orders may be placed through PPG Aerospace's worldwide network of 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.



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