

Cockpit windows for Airbus A320 Family (all CEO and NEO models)



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PPG's aerospace business is a leading and experienced source of original equipment, replacement windshields and side cockpit windows for the Airbus A320 single-aisle jetliner family. Using new, proprietary technologies, PPG has enhanced the design of the windshields and side cockpit windows to improve field performance, reduce maintenance downtime and related costs, and lessen the environmental impact of aging and removed transparencies.

A clamped design for the side cockpit windows allows the frame retainer and window panel to be installed as a complete assembly while being discrete components. Undamaged frame retainers can be reused when only window panels need to be replaced.

Operators can buy new replacement windshields and side cockpit windows from PPG and enjoy the convenience and time savings of buying directly from a single source for their entire Airbus single-aisle jetliner fleet. PPG provides the latest engineering version so operators know they are flying the most reliable cockpit windows.

PPG sliding and aft fixed cockpit windows are available as complete framed window assemblies or as window panels for installation into airworthy frame retainers. This affords operators more flexibility and better materials usage for cost savings by being able to purchase only window panel replacements when reusing the frame retainers, or installation ease when complete framed window assemblies are needed.

PPG's repair program provides optimum cost savings. Services for windshields and side cockpit windows include scratch removal, hump seal repair, terminal block repair, gasket remolding and SURFACE SEAL® coating application. In addition, the No. 2 framed window assembly can be overhauled and repaired.

Surface Seal® coating

Surface Seal hydrophobic coating improves water shedding on PPG glass-faced windshields. When ordering spare PPG windshields or having repairs made, ask for Surface Seal coating. The coating can be field applied to windshields on in-service aircraft with Surface Seal coating system kits.

All cockpit windows

Features	Benefits
Herculite® II chemically strengthened glass structural plies	<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 internal 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 • Environmentally friendly formulation
Stainless steel Z-retainer	<ul style="list-style-type: none"> • Permanent physical barrier protects sealant against moisture ingress
Nesatron® anti-ice and antifog heating systems	<ul style="list-style-type: none"> • Superior heat uniformity and optics
Full interchangeability	<ul style="list-style-type: none"> • For use on all A318, A319, A320, and A321 aircraft models • Reduced inventory and related costs • Ease of installation

Main windshield

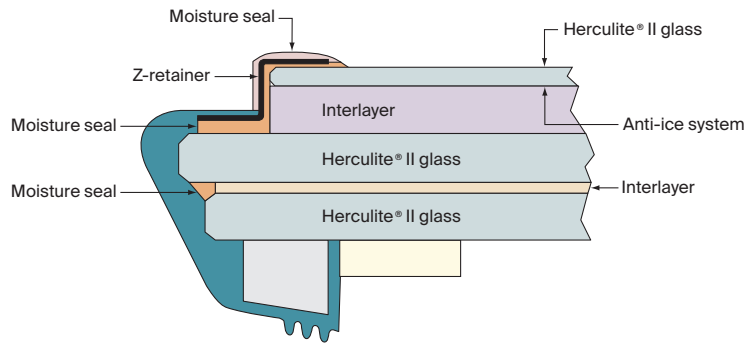
Features	Benefits
Excellent reliability	<ul style="list-style-type: none"> • No heating system failures reported since introduction in 2010
PR-1425CF outboard moisture seal	<ul style="list-style-type: none"> • Chromate-free • Cures in less than half the time • Lower moisture vapor transmission
Robust bus bar system	<ul style="list-style-type: none"> • Improved interconnectivity with heating system coating • Relocated away from hump seal for better window visual inspection

Sliding and aft fixed windows

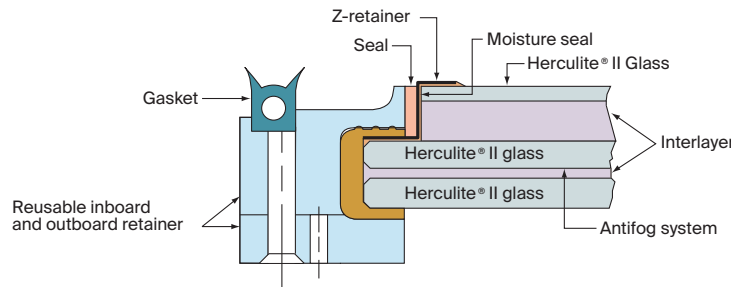
Features	Benefits
Simplified clamp design	<ul style="list-style-type: none"> • Eases replacement
Separate glass panel and frame	<ul style="list-style-type: none"> • Frame retainer can be reused • Allows for complete framed window replacement or window panel only • Better materials and cost management

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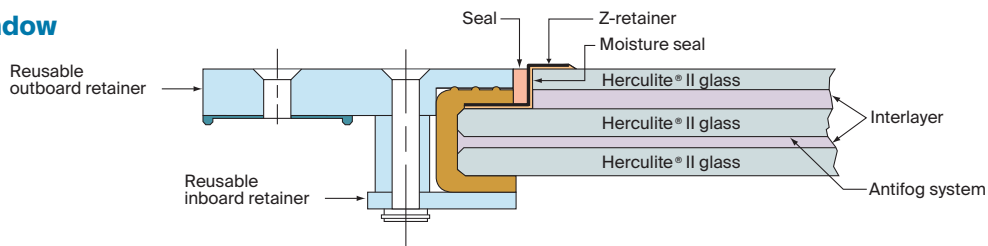
Main windshield



No. 2 sliding window



No. 3 aft fixed window



Part numbers

Pilot windshield	NP165331-1
Copilot windshield	NP165331-2
Pilot number-two sliding window	
assembly	NP165332A1
Window panel	NP165332B1
Frame retainer kit	NP165332C1
Copilot number-two sliding window	
assembly	NP165332A2
Window panel	NP165332B2
Frame retainer kit	NP165332C2
Pilot number-three aft fixed window	
assembly	NP165333A1
Window panel	NP165333B1
Frame retainer kit	NP165333C1
Copilot number-three aft fixed window	
assembly	NP165333A2
Window panel	NP165333B2
Frame retainer kit	NP165333C2
Hump seal repair kit	HSKAIRBUS

Stocks worldwide

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

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.

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