

Technical Data Sheet

Aerospace Transparencies



Cockpit windows for Airbus A220 aircraft family



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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 A220 single-aisle jetliner family. Using new, proprietary technologies, PPG has designed the windshields and side cockpit windows for best field performance, reducing maintenance downtime and related costs, and lessen the environmental impact of aging and removed transparencies.

A clamped design for both windshield and side windows allows easy installations.

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 Airbus A220 single-aisle jetliner fleet. PPG provides the latest engineering version so operators know they are flying the most reliable cockpit windows.

PPG also supplies the window heat controllers that regulate the power to all four-cockpit window positions. In addition to OEM supply, PPG can support direct sales to operators.

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 PPG SURFACE SEAL® coating application.

PPG Surface Seal coating

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

All cockpit windows

Features	Benefits
Simple clamp design	<ul style="list-style-type: none">Eases replacement
Herculite® II chemically strengthened glass structural plies	<ul style="list-style-type: none">High strength-to-weight ratioChemical and abrasion resistance
Urethane outer 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 barrierMoisture absorption five to 10 times lessMoisture vapor transmission two to three times lessEnvironmentally friendly formulation
Fiberglass Z- bar	<ul style="list-style-type: none">Permanent physical barrier protects sealant against moisture ingress
PR-1425CF outboard moisture seal	<ul style="list-style-type: none">Chromate-free*EU Reach compliantLower moisture vapor transmissionRepairable with fast curing sealant PR-1425CF B1/2 (6 hours cure)

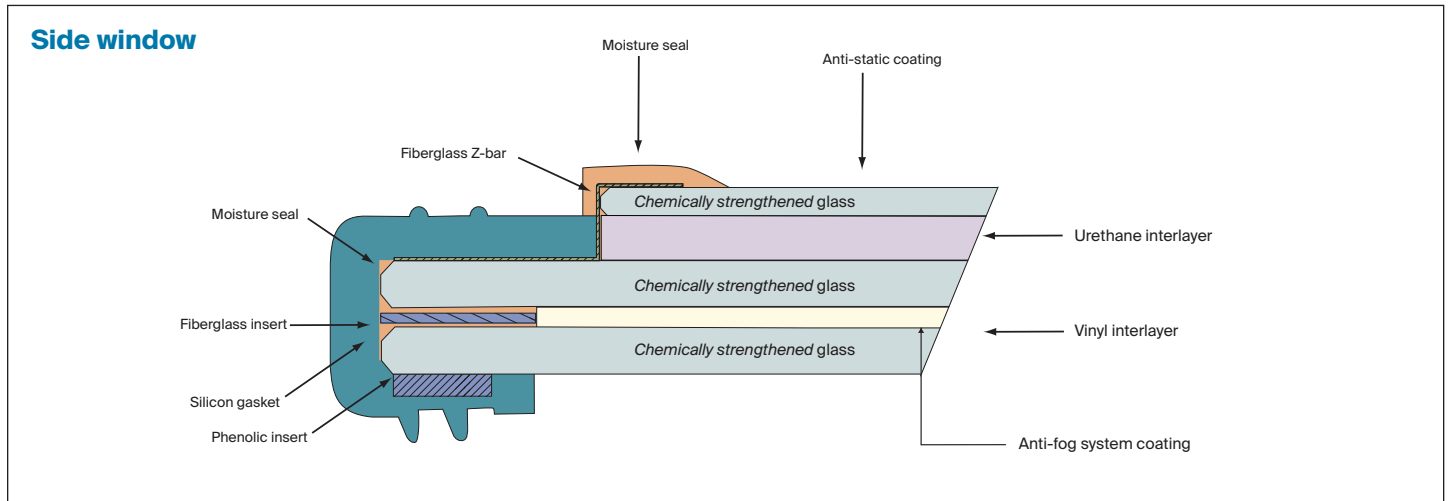
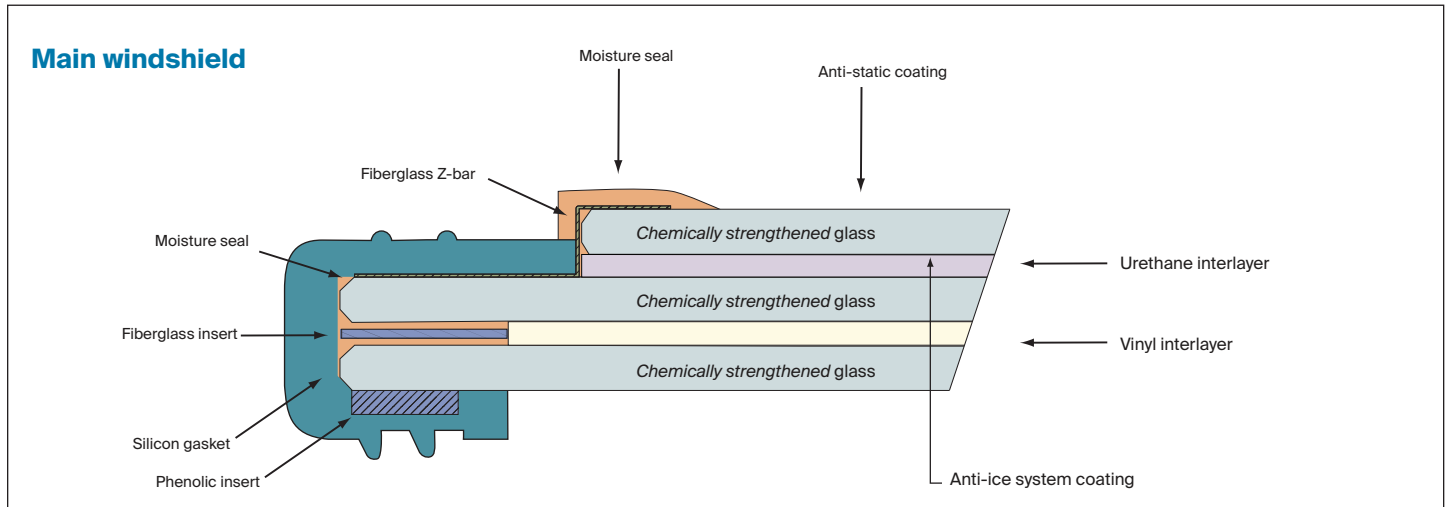
Main windshield

Features	Benefits
Largest vision area of any commercial aircraft ever produced	<ul style="list-style-type: none">Provides maximum vision comfort to the pilots
Simplified, reliable plug design	<ul style="list-style-type: none">Eases replacement
PPG NESATRON® anti-ice heating system	<ul style="list-style-type: none">Excellent heating uniformityOptical clarityNo burnout from electrical hot spot

Side Windows

Features	Benefits
Simplified, reliable plug design	<ul style="list-style-type: none">Eases replacements
PPG Nesatron antifog heating system	<ul style="list-style-type: none">Excellent heating uniformityOptical clarityNo burnout from electrical hot spot

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Part numbers

Pilot windshield	NP196101-3
Copilot windshield	NP196101-4
Pilot side window	NP196102-1
Copilot side window	NP196102-2
Windshield & Window heat controller	3802K1-1
Hump seal repair kit	HSKAirbusA220

Ordering information

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

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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