

TECHNICAL DATA

WINDSHIELDS

Merlin and Metroliner



Metroliner

Main Windshield

Features	Benefits
All-Glass Design	<ul style="list-style-type: none"> • Scratch resistance and craze-free • Chemical and abrasion resistance
Herculite® Thermally Tempered Glass	<ul style="list-style-type: none"> • High load-carrying capabilities • Superior optical quality
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
Aircon® Anti-ice System	<ul style="list-style-type: none"> • Proven reliability • Uniform heating and improved hot-optics
PR-1425 Polysulfide Moisture Seal	<ul style="list-style-type: none"> • Provides superior protection against moisture ingress
Bird-Impact Resistant	<ul style="list-style-type: none"> • Tested to withstand an impact of a 2-pound bird at 169 knots
PPG Edge Seal	<ul style="list-style-type: none"> • Helps reduce moisture penetration
Redundant Antistatic Drain	<ul style="list-style-type: none"> • Redundancy prevents loss of connection as a result of damage during maintenance or repair
Spare Sensing Element	<ul style="list-style-type: none"> • Exclusive connections • No common wire, preventing single-point fault failure of windshield
Superior Terminal Block Design	<ul style="list-style-type: none"> • High durability • Flame-retardant material
Surface Seal® Coating	<ul style="list-style-type: none"> • Hydrophobic coating improves water shedding for better visibility in rain conditions

PPG Aerospace was the original manufacturer of windshields for the Merlin and Metro airplanes. Building on that experience, PPG secured approval through a Supplemental Type Certificate and has re-entered the marketplace with a superior windshield design that incorporates today's technology while maintaining compliance with structural, form, fit and function requirements.

The windshields are made of two plies of HERCULITE® thermally tempered glass to provide optical clarity while affording chemical, abrasion, scratch and crazing resistance.

To reduce the potential for moisture ingress, a key factor in service life, the windshield has an edge seal and PR-1425 polysulfide moisture seal. Proprietary urethane interlayers adjacent to the glass plies provide superior performance under extreme temperatures with a moisture-resistant bond for the outboard and core glass plies.

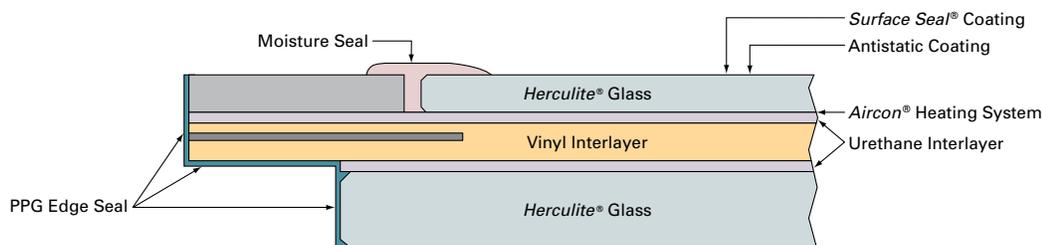
These windshields have an improved terminal block design for durability and flame retardance both horizontally and vertically. A spare heating system temperature-sensing element has exclusive connections for independent operation and redundancy. Redundant antistatic drain locations prevent loss of connection as a result of damage during maintenance.

Operators know they can count on PPG Aerospace for transparencies that provide significant value because of their reduced life-cycle cost as a result of their exceptional service life.

SURFACE SEAL® Coating by PPG
Surface Seal coating by PPG is applied to all replacement windshields for Merlin and Metro airplanes. Hydrophobic *Surface Seal* coating dramatically improves the ability of the windshields to shed water, providing the ultimate in visibility for pilots during wet conditions. *Surface Seal* coating kits are available for field application.

MERLIN AND METROLINER

Main Windshield



Part Numbers

	PPG Part Number	Replaces OEM Part Number
Pilot Windshield	NP-203201-1	26-21126-005
		26-21126-007
		26-21126-905
		26-21126-907
		26-21126-9005
		26-21126-9007
		27-19482-001
		27-19442-XXX
Copilot Windshield	NP-203201-2	26-21126-006
		26-21126-008
		26-21126-906
		26-21126-908
		26-21126-9006
		26-21126-9008
		27-19482-002
		27-19442-XXX

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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Transparencies

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