

TECHNICAL DATA

COCKPIT WINDOWS

Embraer E170 / E175 / E190 / E195



Embraer E170

PPG Aerospace is a leading and experienced manufacturer of original-equipment and replacement windshields and side cockpit windows for Embraer airplanes. PPG Aerospace has been the single source of cockpit windows to Embraer and worldwide operators of the Embraer E170/E175/E190/E195 regional jet fleet since the first aircraft was delivered.

PPG helps operators lower their transparency maintenance costs and increase their on-aircraft performance through engineering services including operator training and fleet data analysis. These custom-designed programs enable operators to maximize the value of PPG cockpit windows.

Main Windshield

Features	Benefits
<i>Herculite</i> ® II Chemically Strengthened Glass	<ul style="list-style-type: none"> • High strength-to-weight ratio • Lightweight window • Superior optical quality • Chemical, abrasion and scratch resistance
Structurally-Loaded Design	<ul style="list-style-type: none"> • Lightweight
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 • Eco-friendly formulation
<i>Nesatron</i> ® Anti-ice Heating System	<ul style="list-style-type: none"> • Excellent heating uniformity • Optical clarity • No burnout from electrical hot spots

SURFACE SEAL® Coating by PPG

Surface Seal hydrophobic coating is available for application to PPG windshields for the Embraer E170/E175/E190/E195 fleet. *Surface Seal* hydrophobic coating improves the ability of glass-faced windshields to shed water, providing the ultimate in visibility for pilots during wet conditions.

When ordering your spare windshields from PPG, ask for *Surface Seal* coating. The parts can be coated by the PPG professionals at the factory before they ship, or the coating can be field applied to windshields on in-service aircraft with *Surface Seal* coating system kits. Ask your PPG representative for details.

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.

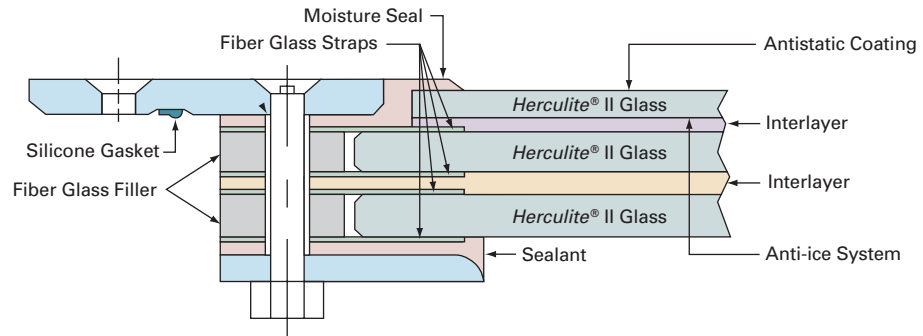
Side Cockpit Window

Features	Benefits
Original Equipment Manufacturer (OEM)	<ul style="list-style-type: none"> • Latest design configuration and upgrades • Approval recognized by worldwide aviation authorities
Longtime Embraer Supplier	<ul style="list-style-type: none"> • Simplified purchasing for Embraer operators • Product reliability • Product quality
Stretched-Acrylic Plies	<ul style="list-style-type: none"> • Lightweight • Optical quality

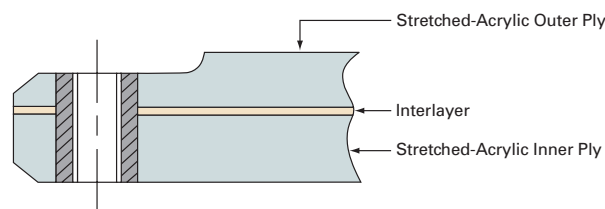
Stocks Worldwide

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

Main Windshield



Side Cockpit Window



Part Numbers

Pilot Windshield	PPG NP-187301-17
Copilot Windshield	PPG NP-187301-18
Pilot Side Cockpit Window	PPG NP-187302-7
Copilot Side Cockpit Window	PPG NP-187302-8
Hump Seal Repair Kit	HSKEMB
Surface Seal Coating System Kit	DSS0100A

Hump Seal Repair Kits

A windshield's outboard moisture seal, or hump seal, is subjected to wind and rain erosion and UV exposure, causing it to degrade over time. A well-maintained seal protects against moisture ingress, a leading cause of premature service life failure. Seals can be repaired to OEM specification using PPG hump seal repair kits. Designed for specific aircraft, the kits contain everything needed to perform on-wing repair of outboard moisture seals and extend windshield service life. Ask your PPG representative for details.

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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