

TECHNICAL DATA

COCKPIT WINDOWS

Bombardier* Challenger* 600* Series



Image provided courtesy of Bombardier Inc.

PPG Aerospace—Transparencies is a leading and experienced manufacturer of replacement windshields and side cockpit windows for *Bombardier Challenger 600 Series* airplanes.

PPG qualified its glass-faced acrylic windshield for the *Challenger 600 Series* jet fleet. To the benefit of operators, the glass-faced acrylic windshield combines the toughness and chemical-resistance properties of glass with the weight-saving benefits of plastic, offering an expected service life significantly longer than that of the original acrylic-faced part, based on the performance of similar windshield designs. PPG supplies its glass-faced acrylic windshield for *Challenger 600 Series* jets to Bombardier for spares.

PPG Aerospace manufactures all flight-deck windows for *Challenger 600 Series* aircraft, simplifying replacement with availability from a single source.

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 *Bombardier Challenger 600 Series* aircraft. 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.

Main Windshield

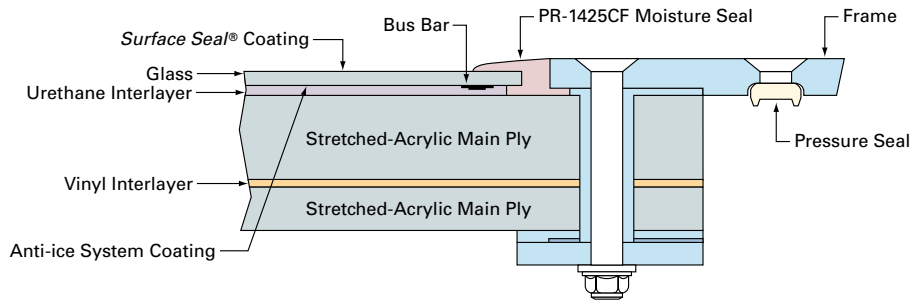
Features	Benefits
Glass-Faced Acrylic	<ul style="list-style-type: none"> • Glass face ply in place of acrylic for increased service life • Proven design used on many commercial programs • Combines toughness of glass with lightweight benefits of acrylic
Bombardier Qualification	<ul style="list-style-type: none"> • Same PPG part that is available through Bombardier • Listed in Illustrated Parts Catalog • Meets fit requirements • Flight-tested for optics
PR-1425CF Moisture Seal	<ul style="list-style-type: none"> • Chromate-free to be environmentally responsible • Fast curing to get aircraft flying sooner after maintenance • Low moisture vapor transmission for better resistance to moisture ingress
<i>Surface Seal</i> ® Coating	<ul style="list-style-type: none"> • Hydrophobic coating improves water shedding for better visibility in rain conditions
Bird-Impact Resistant	<ul style="list-style-type: none"> • Design tested to withstand impact of 4-pound bird at 300 knots

Side Cockpit Window

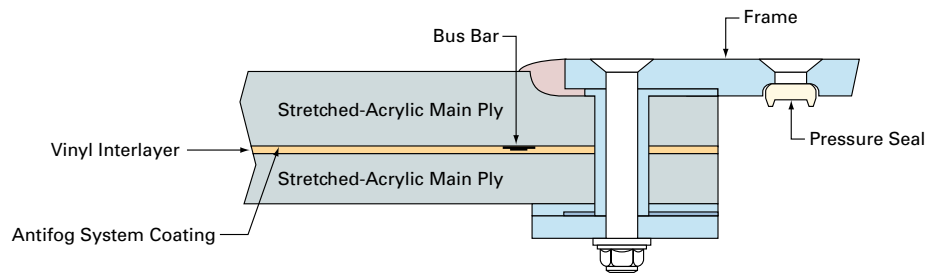
Features	Benefits
Stretched-Acrylic Plies	<ul style="list-style-type: none"> • Lightweight

BOMBARDIER CHALLENGER 600 SERIES

Main Windshield



Side Cockpit Window



Part Numbers

Pilot Windshield	158700-59
Copilot Windshield	158700-60
Pilot Side Cockpit Window	211600-01
Copilot Side Cockpit Window	211600-02
Hump Seal Repair Kit	HSKCHALLENGER

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.