

### Cockpit windows

#### Bombardier Challenger 600 series



Image provided courtesy of Bombardier Inc.

#### Description

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

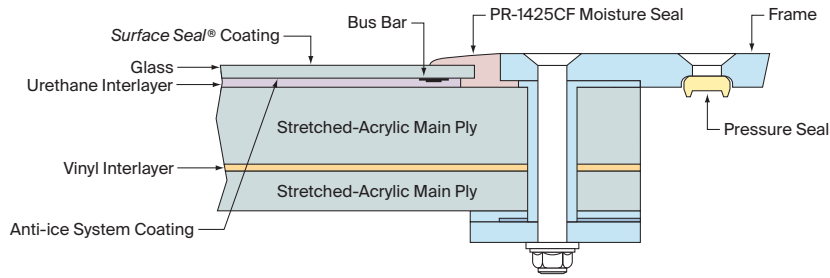
#### Side cockpit window

Features	Benefits
Stretched-acrylic plies	<ul style="list-style-type: none"> <li>• Lightweight</li> <li>• Optical quality</li> </ul>

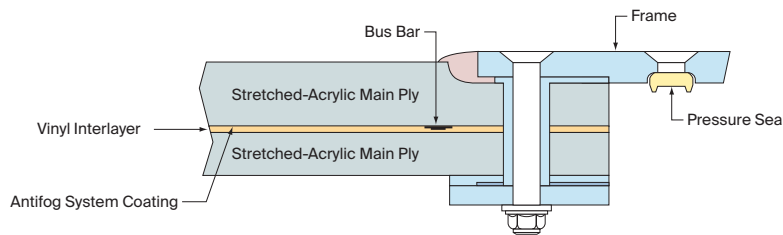
# Cockpit windows

## 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.

### Ordering information

Orders may be placed through PPG's worldwide network of application support centers (ASCs). For the ASC nearest you, visit [www.ppgaerospace.com](http://www.ppgaerospace.com).

In North America, call toll-free +1 (800) AEROMIX.

Pricing, warranty and delivery details are available from your PPG sales representative.

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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

This document has been reviewed by the PPG Aerospace Export Control Department and has been determined to contain only EAR99 controlled data.

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