

### Cockpit windows 777 airplanes



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#### Description

PPG's aerospace business is a leading and experienced source for original-equipment and replacement windshields and side cockpit windows for airplanes produced by The Boeing Company. As the sole manufacturer of original-equipment cockpit windows for 777 airplanes, PPG is the only supplier able to provide the latest enhancements for replacement windshields and glass or acrylic side cockpit windows. In addition, PPG offers overhaul and repair of the No. 2 framed window assembly.

#### New or exchange

For operators of 777 airplanes, PPG provides options to meet transparency replacement needs.

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 entire fleet of airplanes produced by The Boeing Company.

PPG's exchange program for 777 windshields and acrylic No. 2 and No. 3 side cockpit windows offers cost savings over new parts. Operators return a windshield or acrylic side cockpit window to PPG and receive a new or rebuilt replacement part from stock, affording the most efficient turn times.

PPG produces windshields for 777 airplanes with either the original screw-type terminal block or recommended pin-and-socket terminal block.<sup>1</sup> These windshields also can be installed in 757 or 767 airplanes with the corresponding terminal block configuration.<sup>2</sup> This enables operators to simplify inventory stocking.

#### Surface Seal<sup>®</sup> coating system

Surface Seal coating system by PPG is the supplemental windshield rain removal system approved by The Boeing Company for 777 airplanes. The proprietary PPG coating system is standard on the latest engineering version of PPG original-equipment and replacement windshields for these airplanes. Surface Seal hydrophobic coating improves the ability of the windshield to shed water, providing the ultimate in visibility for pilots during wet conditions. Surface Seal coating system kits are available for field application.

<sup>1</sup> Refer to Boeing Service Bulletin 777-30-0012 for information about changing older aircraft connections to be compatible with the pin-and-socket connection.

<sup>2</sup> Check the Illustrated Parts Catalog for interchangeable part numbers.

#### Main windshield

Features	Benefits
<i>Herculite</i> <sup>®</sup> II chemically strengthened glass	<ul style="list-style-type: none"> <li>• High strength-to-weight ratio</li> <li>• Lightweight window</li> <li>• Superior optical quality</li> <li>• Chemical, abrasion and scratch resistance</li> </ul>
Urethane interlayer	<ul style="list-style-type: none"> <li>• Provides maximum adhesion for resistance to delamination and extends service life</li> <li>• Elasticity at low temperatures reduces potential for delamination and cold chipping</li> </ul>
<i>Nesatron</i> <sup>®</sup> anti-ice heating system	<ul style="list-style-type: none"> <li>• Full-coverage heating</li> <li>• Excellent heating uniformity</li> <li>• Optical clarity</li> <li>• No burnout from electrical hot spots</li> <li>• Graded heat zones</li> </ul>
Two terminal block options	<ul style="list-style-type: none"> <li>• Screw-type allows installation in similarly-equipped 757, 767 aircraft</li> <li>• Pin-and-socket-type allows installation in similarly-equipped 757, 767 aircraft</li> <li>• Simplified inventory</li> </ul>

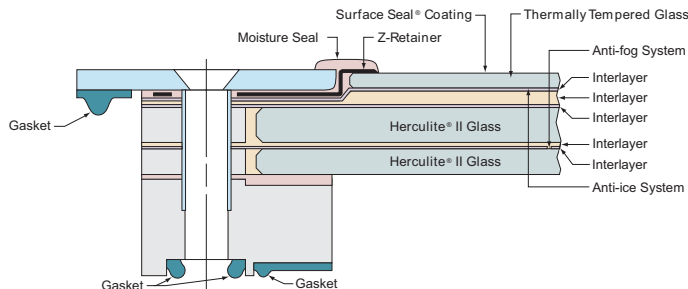
#### Sliding and fixed aft windows

Features	Benefits
All-glass or acrylic design	<ul style="list-style-type: none"> <li>• Purchasing flexibility</li> </ul>
All-glass design	<ul style="list-style-type: none"> <li>• Excellent chemical resistance and toughness</li> <li>• Antifog heating system</li> </ul>
Acrylic design	<ul style="list-style-type: none"> <li>• Lightweight</li> <li>• Repairable</li> <li>• Antifog heating system</li> </ul>

# Cockpit windows

## 777 airplanes

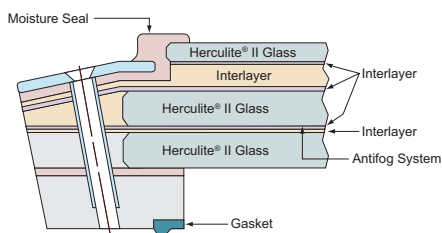
### Main windshield



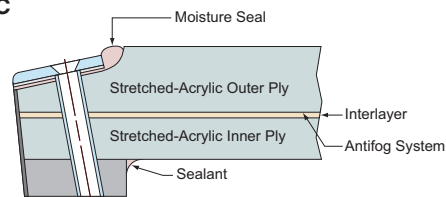
May require wiring kit for installation.

### No. 2 sliding window

#### Glass

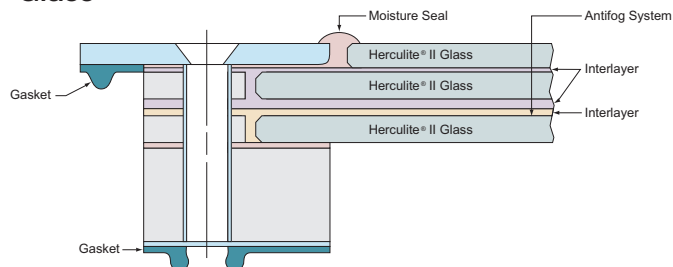


#### Acrylic

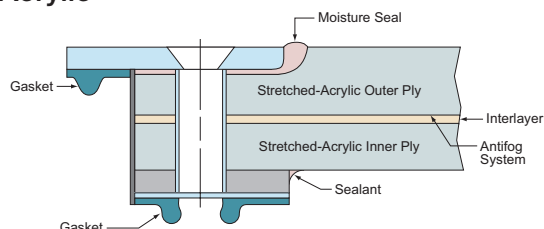


### No. 3 fixed aft window

#### Glass



#### Acrylic



### Part numbers

Pilot Windshield (pin/socket terminal block).....	141W7400-43
Copilot Windshield (pin/socket terminal block).....	141W7400-44
Pilot Windshield (screw-type terminal block).....	141W7400-1
Copilot Windshield (screw-type terminal block).....	141W7400-2
Pilot No. 2 Sliding Window - Glass.....	141T4001-41
Copilot No. 2 Sliding Window - Glass .....	141T4001-42
Pilot No. 2 Sliding Window - Acrylic.....	141T4810-19
Copilot No. 2 Sliding Window - Acrylic.....	141T4810-20
Pilot No. 3 Fixed Aft Window - Glass.....	141T4004-21
Copilot No. 3 Fixed Aft Window - Glass.....	141T4004-22
Pilot No. 3 Fixed Aft Window - Acrylic.....	141T4820-13
Copilot No. 3 Fixed Aft Window - Acrylic.....	141T4820-14
Hump Seal Repair Kit .....	HSKBOEINGWB

NOTE: Rebuilt windshields and overhauled acrylic cockpit windows are manufactured to the latest design approved by The Boeing Company and supplied with the latest part numbers. PPG and Sierracin/Sylmar rebuild all prior configurations (dash numbers and revision letters).

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

### Stocks worldwide

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

### 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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