

Boeing CH-47 Chinook windshields



U.S. Air Force photo / Senior Airman S. Doty

Windshield

Features	Benefits
Thermally tempered glass	<ul style="list-style-type: none"> • Chemical, abrasion and scratch resistance • Superior optical quality • High load-carrying capabilities • Excellent resistance to foreign article damage • Resists thermal shock
PPG Nesatron® anti-ice heating system	<ul style="list-style-type: none"> • Full-coverage heating • Excellent heating uniformity • Optical clarity • No failures from localized heating • Graded heat zones

PPG's aerospace transparencies business is a leading and experienced manufacturer of windshields, canopies, windows, blast barriers and specialty transparencies for military applications. With a broad range of capabilities, PPG is able to design and produce advanced-technology transparencies to meet the demanding requirements of military air and surface operations.

PPG offers a variety of transparent structural materials to meet specific design and performance requirements. Thermally tempered glass offers impact and thermal shock resistance as well as high load-carrying capabilities. Chemically strengthened glass provides superior strength and durability. Special-composition glass incorporates enhanced optical properties with high light transmittance. Plastic substrate materials include acrylic that is strong and lightweight, and polycarbonate that has superior impact resistance and a high strength-to-weight ratio. PPG interlayers bond the plies together and provide ballistic properties, bird-impact resistance and pressure "fail-safe" capability. In-house capabilities allow PPG to engineer and produce interlayers specially tailored to aerospace applications.

PPG offers advanced coatings that protect transparencies and aircrews from various operational or environmental threats. PPG SIERRACOTE™, NESA® and NESATRON® thin metal films form the basis of anti-ice/anti-fog electrical heating systems. Other PPG advanced coatings and technologies help protect transparencies and aircrews from operational or environmental threats, and provide a variety of performance enhancements. A few of these are solar heat reduction, laser protection and electromagnetic interference (EMI) shielding. Such technologies are designed to be compatible with night vision systems and other optical requirements.

PPG transparencies have flown numerous military missions. The company is a leader in its transparency technical capabilities and infrastructure, OEM and operator support, and ability to supply parts worldwide on a timely and affordable basis.

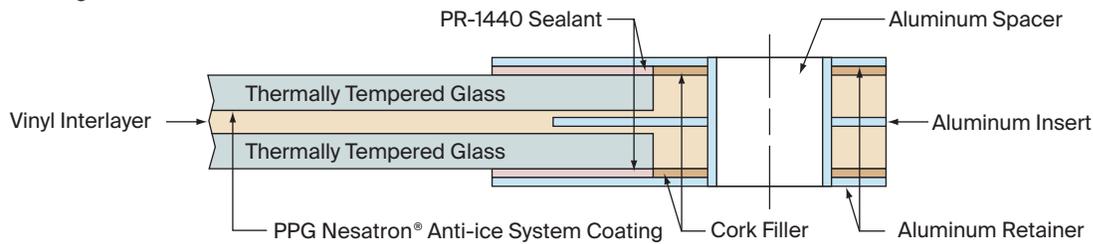
Additional information

Details on pricing, warranty and delivery are available by contacting your PPG aerospace transparencies sales representative or customer service representative.

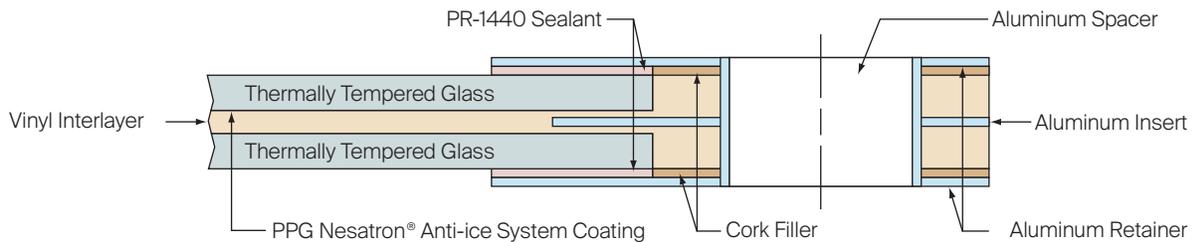
Boeing CH-47 Chinook windshields

Main windshield

left-hand and right-hand



Center windshield



Part numbers

Transparencies	U.S. national stock number	Boeing part number
Main, left-hand	1560-00-133-7157	114SS604-1
Main, right-hand	1560-00-133-7158	114SS604-2
Center	1560-00-133-7857	114SS605-1

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Issue date: 02/21
Lit: 4780

rev.2