

TRANSPARENCY BULLETIN

WINDSHIELDS

Sikorsky Black Hawk



Windshields

Features

Herculite® Aerospace Glass

Benefits

- Chemical, abrasion and scratch resistance
- Superior optical quality
- High load-carrying capabilities
- Excellent resistance to foreign object damage
- Resists thermal shock

Nesatron® Anti-ice Heating System

- Full-coverage heating
- Excellent heating uniformity
- Optical clarity
- No failures from localized heating
- Graded heat zones

PPG Aerospace – Transparencies 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. *HERCULITE*® aerospace glass offers impact and thermal shock resistance as well as high load-carrying capabilities. *Herculite*® II aerospace glass provides superior strength and durability. Special-composition glasses incorporate enhanced optical properties such as 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 proprietary interlayers bond the plies together and provide ballistic properties, bird-impact resistance and pressure “failsafe” 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. *SIERRACOTE*™, *NESA*® and *NESATRON*® electrical heating systems provide anti-ice/anti-fog protection. Other PPG coatings and technologies offer low-observables performance, solar heat reduction, laser protection and electromagnetic pulse (EMP) shielding. These technologies are designed to be compatible with night vision systems.

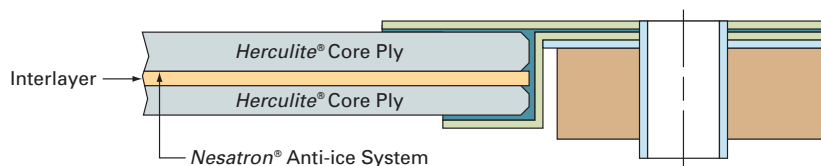
PPG transparencies have flown numerous military missions. The company is a leader in its transparency technical capabilities and infrastructure, OEM and operator support, and ability to supply parts worldwide on a timely and affordable basis.

Additional Information

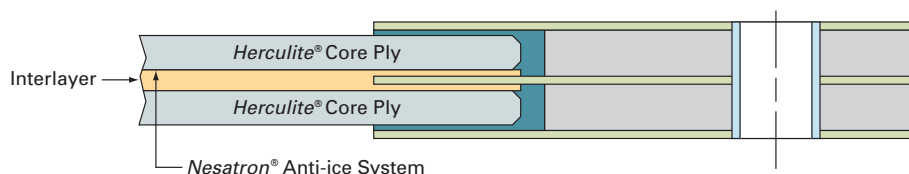
Details on pricing, warranty and delivery are available by contacting your PPG Aerospace – Transparencies sales representative or customer service representative.

SIKORSKY BLACK HAWK

Main Windshield Left-Hand and Right-Hand



Center Windshield



Part Numbers

Windshields	U.S. National Stock Number	Sikorsky Part Number
Main, Left-Hand.....	1560-01-486-4893.....	70206-01003-045
Main, Right-Hand	1560-01-486-4894.....	70206-01003-044
Center	1560-01-207-7485.....	70216-01009-101

For the PPG Aerospace transparencies sales office or application support center nearest you, please visit our website at www.ppgaerospace.com.



PPG Aerospace Transparencies

PPG Industries, Inc.
1719 Highway 72 East
Huntsville, Alabama 35811 USA
Telephone +1 (256) 851-7001
Fax +1 (256) 851-8822

Sierracin/Sylmar Corp.
12780 San Fernando Road
Sylmar, California 91342 USA
Telephone +1 (818) 362-6711
Fax +1 (818) 362-7801

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