



# Performance Materials for the Aerospace Industry

**AGC**

Your Dreams, Our Challenge



**Fluon**<sup>®</sup>  
choice materials  
for lightweight,  
high voltage cable



**Fluon<sup>+</sup> FPC**  
Filled PTFE Compounds  
seals and components



**AFLAS**<sup>®</sup>  
FLUOROELASTOMERS  
FFKM SERIES

perfluoroelastomers for high  
temperature gaskets and seals



**Fluon<sup>®</sup>PTFE**  
wire insulation wrapping



**Fluon<sup>+</sup> MPC**  
Melt Procesable Compounds  
wire insulation compounds



**Fluon<sup>®</sup>ETFE FILM**  
release film  
for composite manufacturing

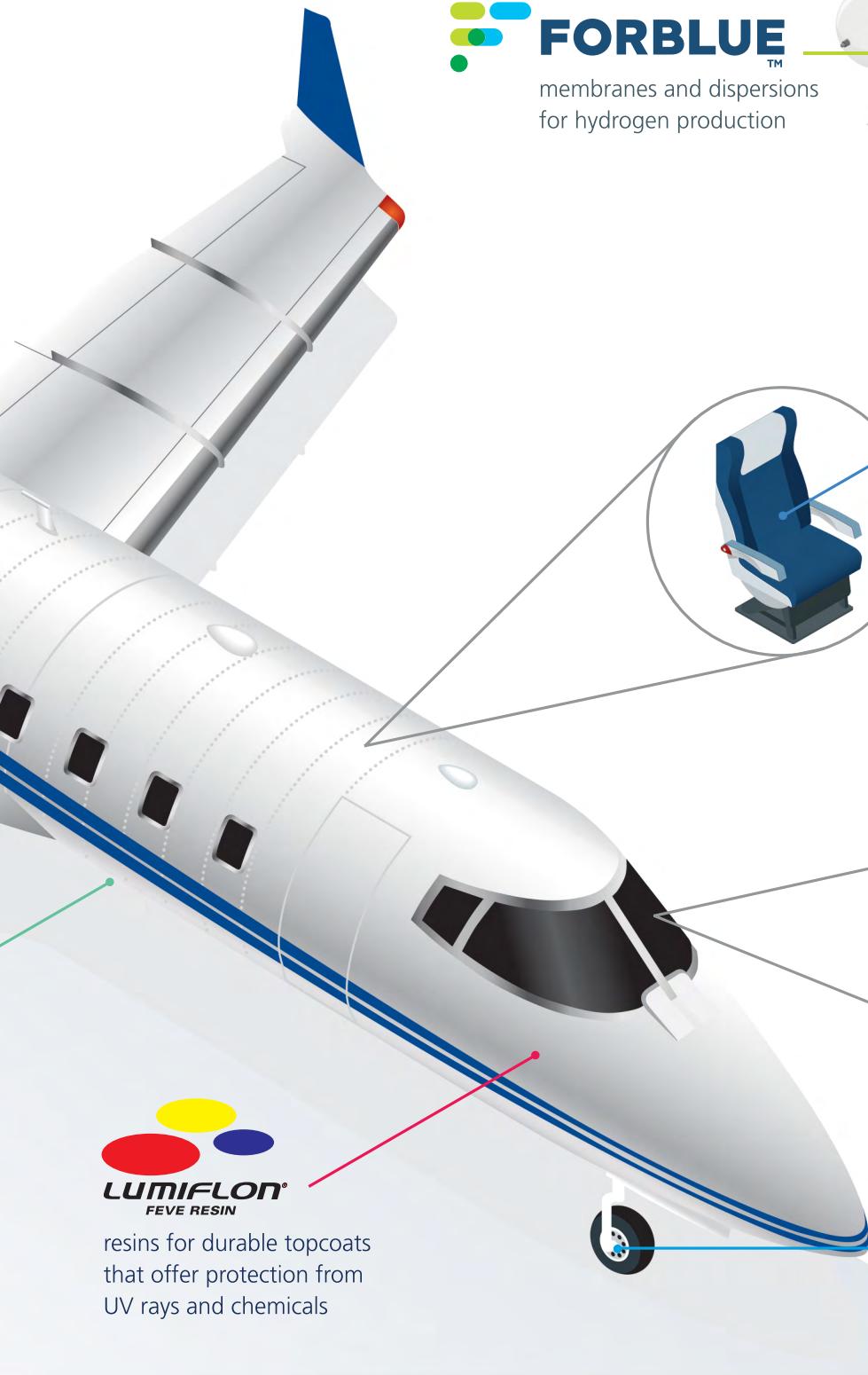
Powering the Aerospace Industry  
with AGC's Advanced Technologies

# Performance Materials for the Aerospace Industry



Chemistry  
for a Blue Planet  
AGC Chemicals

Solutions for Today, Solving Tomorrow's Missions



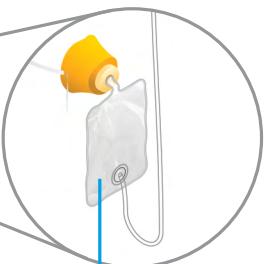
**FORBLUE**<sup>TM</sup>

membranes and dispersions  
for hydrogen production



**FibraLAST**<sup>®</sup>

oil, stain and water  
repellents for textiles  
and nonwovens



**LUMIFLON**  
FEVE RESIN

resins for durable topcoats  
that offer protection from  
UV rays and chemicals

**ASAHIKLIN**



**AMOLEA**

precision cleaning solvents  
for critical components

# AGC Solutions to Power the Future of Aerospace Innovation

Many of AGC's performance materials enhance the quality and durability of components used in the aerospace industry.

These materials enable:

- Longer lasting paint systems
- More durable airframe wire
- Strong and flexible high voltage cable
- Reliable bearings
- High-performance seals



ASAHIKLIN

AMOLEA

FORBLUE™

FibraLAST®





## Materials for Critical Aerospace Applications

### Electrical Insulation

- **Fluon+™ Melt Processable Compounds (MPC)** cross-linked ETFE extend the properties of chemical resistance, toughness and lubricity.
- **Fluon® PTFE** is employed as an insulating material in tape-wrapped (TKT) wire applications.

### Precision Cleaning Materials

- **AsahiKlin™** fluorosolvents enable metal components used in aerospace applications to be precision cleaned.
- **AMOLEA™ AS-300** and **AS-300AT** HCFO solvents are used in aircraft cleaning processes for a wide range of components, including oxygen tubing, landing gear, and other critical parts, ensuring effective contaminant removal and maintaining overall system integrity.

### Seals and Gaskets

- **AFLAS®** fluoroelastomers and **Fluon+™ Filled PTFE Compounds (FPC)** play a vital role in the performance and reliability of critical seals and components across demanding aerospace applications. These include landing gear and flight control systems to engines, brakes, fuel and hydraulic utility systems.

### Composite Production

- **Fluon® ETFE FILM** is a high-performance mold release film used in the production of aerospace composite parts. It provides excellent release properties, along with strong chemical resistance and thermal stability, making it ideal for high-temperature composite processing.

### Advanced Coatings

- **FibraLAST®** coatings provide fluorine-free resistance to oil and water for use in textiles, nonwovens, and filtration applications.
- **LUMIFLON® FEVE Resins** used in topcoats are ultra-weatherable and maintain their excellent appearance on aircraft and other aerospace vehicles.

### Membranes and Dispersions

- **FORBLUE™ S-SERIES**, **sunsep**, and **SELEMION** are ion exchange membranes for hydrogen production and processing
- **i-SERIES** electrolyte polymer dispersion for electrolyte membranes and fuel cell electrodes.



For more information, please visit us at [agcchem.com/aerospace](http://agcchem.com/aerospace)

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