



Erosion protection Coatings

Key facts

- ✓ **High performance coatings** to prevent **abrasion, sand & rain erosion** of metallic and composite parts
- ✓ Currently used on **commercial aircraft, rotorcraft, military aircraft & antennas**
- ✓ Aerospace **leading supplier** for erosion protection coating

Applications

Dedicated solution for:

- ➔ **Fixed parts** such as radomes, leading edges, winglets/sharklets...
- ➔ **Rotating parts** such as spinner, engines fans and propellers, outlet guide vanes / structural guide vanes, helicopter blades and ground antennas, etc.



Features and benefits


- ✓ Sand and rain **erosion protection** to protect metallic & composite parts and **increase in-service lifetime**
- ✓ **Adaptable thickness** to save weight and ensure performance
- ✓ **Full range of primer** for application on metallic & composite substrate
- ✓ **Full range of solvent based, water based primers & topcoats** to answer customer needs
- ✓ Available in **different colors** / **recoatable** with colored topcoat
- ✓ **Excellent chemical resistance** to phosphate ester hydraulic fluids
- ✓ Available with **additional functions** such as conductivity



YOUR CHALLENGE

OUR SOLUTION

















- Reduce VOCs  Waterbased coating / Solgel
- Reduce application process  Low thickness & fast curing
- Meet new chemicals requirement and local regulation  Compliant solutions like REACH, TSCA
- Additional requirement  Visual appearance / Conductivity

Range overview

Erosion protection topcoat



	Chemistry	Rain erosion	Sand erosion	Soft/hard	Recommended thickness	Form	Applications	Approvals
CHEMGLAZE M331/M201	Solvent based PU			SOFT	350-760µm	2K Sprayable liquid	Fixed & rotating parts	US Navy, Pratt & Whitney
AEROGLAZE M1433	Solvent based PU			SOFT	200-350 µm	2K Sprayable liquid	Fixed parts	US Navy
PRIAM 32005	Solvent based PU			SOFT	150-250 µm	2K Sprayable liquid	Fixed & rotating parts	Dassault Aviation, Safran Aircraft Engines, Safran Nacelles, Thalès, Ariane
LBYH 203 V2	Waterbased PU			SOFT	80-300µm	2K Sprayable liquid	Rotating parts	Safran Aircraft engines
SOCOGLAZE EPC WB561	Waterbased PU			SOFT	80-300µm	2K Sprayable liquid	Rotating parts	Airbus Helicopters
LBYH 205 COND	Waterbased PU			MEDIUM SOFT	80-300µm	2K Sprayable liquid	Rotating parts conductive	Collins Aerospace
SOCOGEL EPC0700	Sol-gel			HARD	15-25µm	3K Sprayable liquid	Fixed parts	