



Erosion protection Coatings

Key facts

- ✓ **High performance coatings** to prevent **abrasion, sand & rain erosion** of metallic and composite parts
- ✓ Currently used on **commercial aircraft, helicopter, military aircrafts & 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, Safran Aircraft Engine, Safran Nacelle, Thales, Ariane |
| LBYH 203 V2 | Waterbased PU |  |  | SOFT | 80-300µm | 2K Sprayable liquid | Rotating parts | Safran Aircraft engine |
| SOCGLAZE EPC WB561 | Waterbased PU |  |  | SOFT | 80-300µm | 2K Sprayable liquid | Rotating parts | Airbus Helicopter |
| LBYH 205 COND | Waterbased PU |  |  | MEDIUM SOFT | 80-300µm | 2K Sprayable liquid | Rotating parts conductive | Collins |
| SOCOGEL EPC0700 | Sol-gel |  |  | HARD | 15-25µm | 3K Sprayable liquid | Fixed parts | |