COATINGS

socomore

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 WB541	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

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