COATINGS

socomore

Conductive Coatings

Key facts

- Various conductive coatings depending on application, such as static dissipation and lightning strike protection
- For use on **commercial aircraft**, **rotorcraft**, **military aircraft**.

Applications

Dedicated solution for:

- **Electrostatic discharge** for rotating / non rotating parts
- **Lightning strike protection of composite parts** in strike zones 1A, 2A, ...
- **Repair application** for existing copper mesh lightning strike protection systems



Features and benefits

- Up to 50% direct weight savings over traditional copper mesh lightning strike protection
- UltraConductive™ available as film and coating to ease implementation in your process and reduce labor costs
- Varying levels of conductivity for different application requirements

Range overview

	Chemistry	Substrate	Recommended thickness	Curing conditions	Sheet resistance range	Available color	Product type	Main approvals
LBYH 205 COND	WB PU	Composite	60-300 µm	25 °C, 50% humidity	1,000,000 Ω/square	Black	Topcoat	COLLINS AEROSPACE
ULTRACOND. 4011	Epoxy	Composite	100-140 µm	120-175 °C	≤ 12.5 mΩ/ square	Silver	Composite co-cured	AIRBUS HELICOPTERS
ULTRACOND. 4041 FILM	Epoxy	Composite	120 µm	120-175 °C	≤ 10 mΩ/ square	Silver	Composite co-cured	
ULTRACOND. 4501	Epoxy	Composite	120 µm	22 °C	≤ 12.5 mΩ/ square	Silver	Repair coating	
AEROGLAZE Z307	PU	Any- requires correct primer	38-51 µm	25 °C, 50% humidity	100-100,000 Ω/square	Black	Topcoat	NASA

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