COATINGS

socomore

High temperature resistance Coatings

Key facts

- **Long term** high temperature resistant coating for in-service application, **from 250 to 600°C.**
- **Monolayer** coating with **anti-corrosion** properties.
- Currently used on **commercial aircraft, rotorcraft and military aircraft.**

Applications

- Application on **steel and aluminum**
- **Protection of parts in high temperature environment:** heat exchangers, landing gears, torque tubes braking systems, engine rotating / non rotating parts, power shafts, air exhaust environments…






Features and benefits

- **Worldwide availability**
- **Selected chemistry** for protection across the temperature range
- **Corrosion protection** mechanism including barrier protection, active or sacrificial protection
- **Excellent chemical resistance** to phosphate ester hydraulic fluids, solvent cleaners and lubricants
- **Repairable and recoatable** coating by touch up applications
- **Various application methods** : spraying, brushing, rolling, dipping, pouring over
- **Chrome free REACh & TSCA compliant** chemistry

YOUR CHALLENGE

OUR SOLUTION

Protecting parts submitted to high inservice temperature	Organosilane, phenolic, silicone chemistry adapted to wide temperatures range
Multi-criteria specification incorporating various requirements	Multi functional coating with corrosion protection, chemical resistance, etc.
To reduce maintenance / repair frequency	Long term protection
No color fading over time	Limited alteration of the coating at recommended temperature environment



Range overview

High temperature resistant coatings

	Maximum in-service temperature	Substrate	Anticorrosion properties	Recommended use / thickness	Available colors	Applications method	Approvals
LFPH 006	270 °C / 518 °F	Alu	X	Monolayer 20 µm	Clear Black Aluminum	Spraying, dipping, pouring over, filling, brushing	LIEBHERR AEROSPACE, HONEYWELL, SECAN
LFSH 066	700 °C / 1292°F	Steel	X	Monolayer 20-30 µm	Black	Spraying, rolling, brushing	SAFRAN
SOCOGLAZE SPC 0981 CF	550 °C / 1022 °F	Steel	X	40-60 µm	Aluminum	Spraying	SAFRAN
BOLICONE K ALU	600 °C / 1112 °F	Steel	X	25 µm	Aluminum	Spraying	DASSAULT AVIATION, SAFRAN
BOLICONE M4	600 °C / 1112 °F	Steel	X	25 µm	Aluminum	Touch up, spraying, brushing	DASSAULT AVIATION, SAFRAN

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