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AeroMax – Polyurethane Finish (MIL-PRF-85285)

Category: Military / Aerospace Topcoat

Description

A two-component polyurethane coating designed for aerospace and military equipment, providing excellent durability, chemical resistance, and long-term color and gloss retention.

Key Benefits



✓ Complies with MIL-PRF-85285 standard

✓ Excellent resistance to fuels, oils, hydraulic fluids, and chemicals

✓ Wide operating temperature range (-55°C to +110°C)

✓ Non-yellowing, non-chalking finish

✓ Long-term gloss and color retention

Technical Data

Parameter	Value
Type	Two-component polyurethane
Solids Content	Approx. 50% by volume
Recommended DFT	40–70 microns
Theoretical Spreading Rate	8–10 m^2/L at 50 microns
Drying Time	Touch dry: 2h | Full cure: 7 days | Stove dry: after 24h 30 min at 80°C
Overcoating Interval	3–4h min, 24h max
Light Fastness	Excellent (grade 8)
Shelf Life	24 months at 20–25°C
Flash Point	28°C (DIN 53213)

Typical Applications

- Aerospace equipment

- Military ground support equipment

- High-tech industrial machinery requiring high resistance to chemicals and weathering

Relevant Standards & Reports

• MIL-PRF-85285 Type I Class H
• COA_P-002396 Certification

Contact

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