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The Aviation Point

Guide to Aviation Chemicals for Sheet Metal Repair

Every product a sheet metal repair touches, in one index: solvents, conversion coat, primers, paint, inhibitors, adhesives, sealants and removers.

All the chemical guides

Family	Page	Covers
Cleaning	Cleaning solvents	MEK, isopropanol, acetone, dry cleaning solvent, trichloroethane (historic), Skydrol-safe cleaners
Cleaning	Degreasers	Detergent, solvent, alkaline and deoxidizer cleaners
Surface treatment	Conversion coatings	Alodine 1200S, MIL-DTL-5541
Coatings	Primers	MIL-PRF-23377, MIL-PRF-85582, chrome-free
Coatings	Aircraft paint	Topcoat, strippers, identifying a finish
Protection	Corrosion inhibitors	ACF-50, CorrosionX, LPS 3, Boeshield T-9
Bonding	Structural adhesives	Epoxy paste, MMM-A-132
Shop	Drilling lubricants	Boelube sticks, pastes and liquid
Sealing	Polysulfide sealants	PR-1422, PR-1440, PS-890, PR-1776M, CS 3201
Sealing	Polythioether sealants	What it is and how to identify it
Sealing	Silicone sealants	RTV, MIL-A-46106, MIL-A-46146
Sealing	Sealant equivalents	What the specifications say, and why names are not approvals
Sealing	Sealant removal	Scraper, aluminium wool, chemical softeners
Sealing	Sealant classes	Classes A, B, C and dash numbers
Sealing	Fay and fillet sealing	Where each seal goes
Surface treatment	Conversion coat and primer (repair)	The order on a repair

Key points

- **Public sources only.** Confidential documents are not used.
- **No safety rules of our own.**
- **Equivalents** are decided by the SRM, not by this guide.

SOURCES · FAA AC 43.13-1B CHG 1, Chapter 6 · FAA-H-8083-31B, Aviation Maintenance Technician Handbook - Airframe, Volume 1 · FAA-H-8083-31B, Airframe Handbook, Volume 2 · CDC NIOSH Pocket Guide to Chemical Hazards: 2-Butanone

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Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.

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