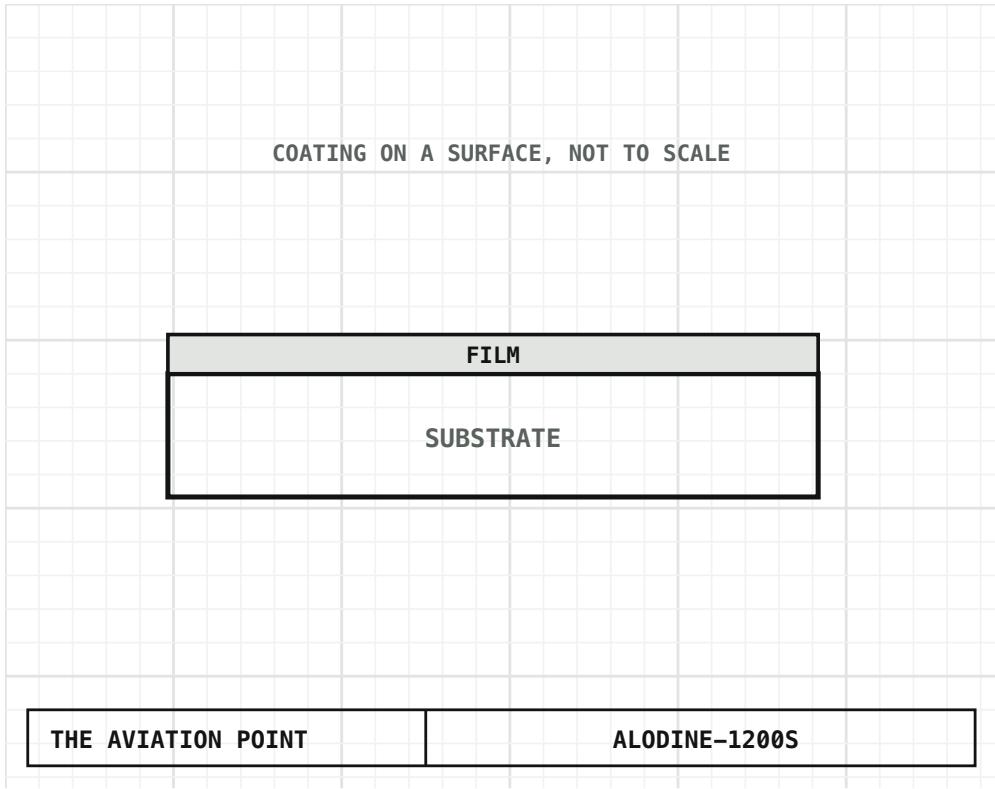
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Alodine 1200S — conversion coating

A conversion coat is the thin chemical film that goes back on aluminium after cutting, drilling or blending.



Schematic

Designation

Item	Value
Designation	Alodine 1200S
Class	Chemicals
Type	conversion coating

Data from the guide

Item	Value
Product	BONDERITE M-CR 1200S AERO, known as Alodine 1200S; brown powder
Approval	QPL-81706; makes Class 1A and Class 3 coatings under MIL-DTL-5541, bare or painted
Make-up	6.3 lb per 100 gal (7.5 kg per 1000 L); 12.5 lb (15 kg) for brush application
pH	1.3 to 1.8
Temperature	68 to 95 F (20 to 35 C)
Contact time	15 to 180 seconds
Finished colour	Light iridescent golden to tan
Rule on repairs	Apply immediately after corrosion removal and rinse; recoat if 48 h pass before primer or paint

These figures belong to this one Henkel sheet. Another product, or another revision, has its own. The SRM names the conversion coat for the repair.

Notes

- **One product sheet.** Bath data are from the Henkel M-CR 1200S AERO TDS (Nov 2019). Other products differ.
- **Class meanings** are from standard summaries; we did not read the MIL-DTL-5541 text.
- **Hazard rules** are the AC's and the SDS's. We add none.

SOURCES · FAA AC 43.13-1B CHG 1, Chapter 6 · Henkel, Technical Data Sheet BONDERITE M-CR 1200S AERO, November 2019 · PPG Aerospace, Desoprime CA7502 Chrome-Free Epoxy Primer, Technical Data Sheet

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/materials/alodine-1200s/

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