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MIL-PRF-23377 and MIL-PRF-85582 Epoxy Primers

MIL-PRF-23377 and MIL-PRF-85582 at a glance

Two primers at a glance

Item	Desoprime HS CA7233	Desoprime CA7502
Type	Military epoxy primer, exterior	Chrome-free epoxy primer, exterior
Qualified to	MIL-PRF-23377 Type I Class C2; MIL-PRF-53039; MIL-PRF-64159; MCS 9053	BMS 10-72 Type VIII, IX, X; CMS-CT-201; PWA 36525 (OEM specifications)
Mix by volume	1 base : 1 activator	4 base : 4 activator : 1 thinner
Pot life	5 h (13-18 C), 4 h (18-23 C), 3 h (24-29 C), 1.5 h (over 29 C)	4 h at 21-25 C
Induction	None over 29 C; 30-60 min (18-23 C); 1-1.5 h (13-18 C)	2 h (13-21 C), 1 h (22-26 C), 30 min (over 27 C)
Dry film	15 to 30 microns (0.6 to 1.2 mil)	12.5 to 30 microns (0.5 to 1.2 mil)
Topcoat window	2 to 72 h	See the sheet
Service range	-54 to 177 C	-54 to 177 C
VOC (CA7233, mixed)	340 g/L	See the sheet

Key points

- **Two PPG sheets.** Figures belong to those products.
- **No MIL-PRF-85582 data.** We did not read a sheet or the specification.
- **Type and class definitions** are in the specifications, which we did not quote.

SOURCES · FAA AC 43.13-1B CHG 1, Chapter 6 · PPG Aerospace, Desoprime HS CA7233 Military Epoxy Primer, Technical Data Sheet · PPG Aerospace, Desoprime CA7502 Chrome-Free Epoxy Primer, Technical Data Sheet

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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.