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Polysulfide Aircraft Sealant: PR-1422, PR-1440, PS-890 and Others

Polysulfide products in the sources

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Product	Maker	Form and class	Life and cure (from the source)	Specification stated
PR-1422 Class B	PPG	Two-part; B-1/2 and B-2	B-1/2: life 1/2 h, tack-free under 8 h, 35 A in 24 h. B-2: life 2 h, under 20 h, 36 h (77 F, 50 % RH)	Tests per AMS-S-8802 Class B
PR-1440 Class B	PPG	Two-part; B-1/2, B-2	Distributors list about 30 min (B-1/2) and 2 h (B-2); their tack-free and cure times disagree, so none is given	AMS-S-8802D Type 2 (distributor)
PS-890	PPG	Two-part, manganese dioxide cured; Classes A, B, C	Distributor lists A-2 at 2 h, B-4 at 4 h, C-80 at 80 h	AMS-S-8802, BMS 5-45 (distributor)
PR-1776M Class B	PPG	Two-part, manganese dioxide cured, Permapol P-5 modified polysulfide (PPG's wording)	B-1/2, B-2 grades	AMS 3281 Type 1 Class B-2; BMS 5-45
CS 3201	Flamemaster	Two-part polysulfide; Class A brush, Class B gun	Application life halves for every 10 F rise and doubles for every 10 F drop	Not stated in the part we read

Key points

- **Distributor lists** for PR-1440 and PS-890: they are not PPG data sheets.
- **No cross-reference table is authoritative.** The SRM and the specification's QPL decide equivalents.
- **Specifications are cited as the sources print them.** AMS-S-8802 text is paid and was not read.

SOURCES · PPG Aerospace, PR-1422 Class B Fuel Tank Sealant, data sheet · Flamemaster Corporation, Chem Seal CS 3201 Technical Bulletin · PPG PS890 B-1/2 Fuel Tank Sealant · PPG PR-1440 B-1/2 Fuel Tank Sealant · PPG Aerospace, PR-1776M Class B Low Weight Fuel Tank Sealant, PPG PR1776M B-2 Low Weight Fuel Tank Sealant · Sealant application bulletin: class and applications · SAE International, AS5127/1C: Test Methods for Aerospace Sealants, Two-Component Synthetic Rubber Compounds

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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.