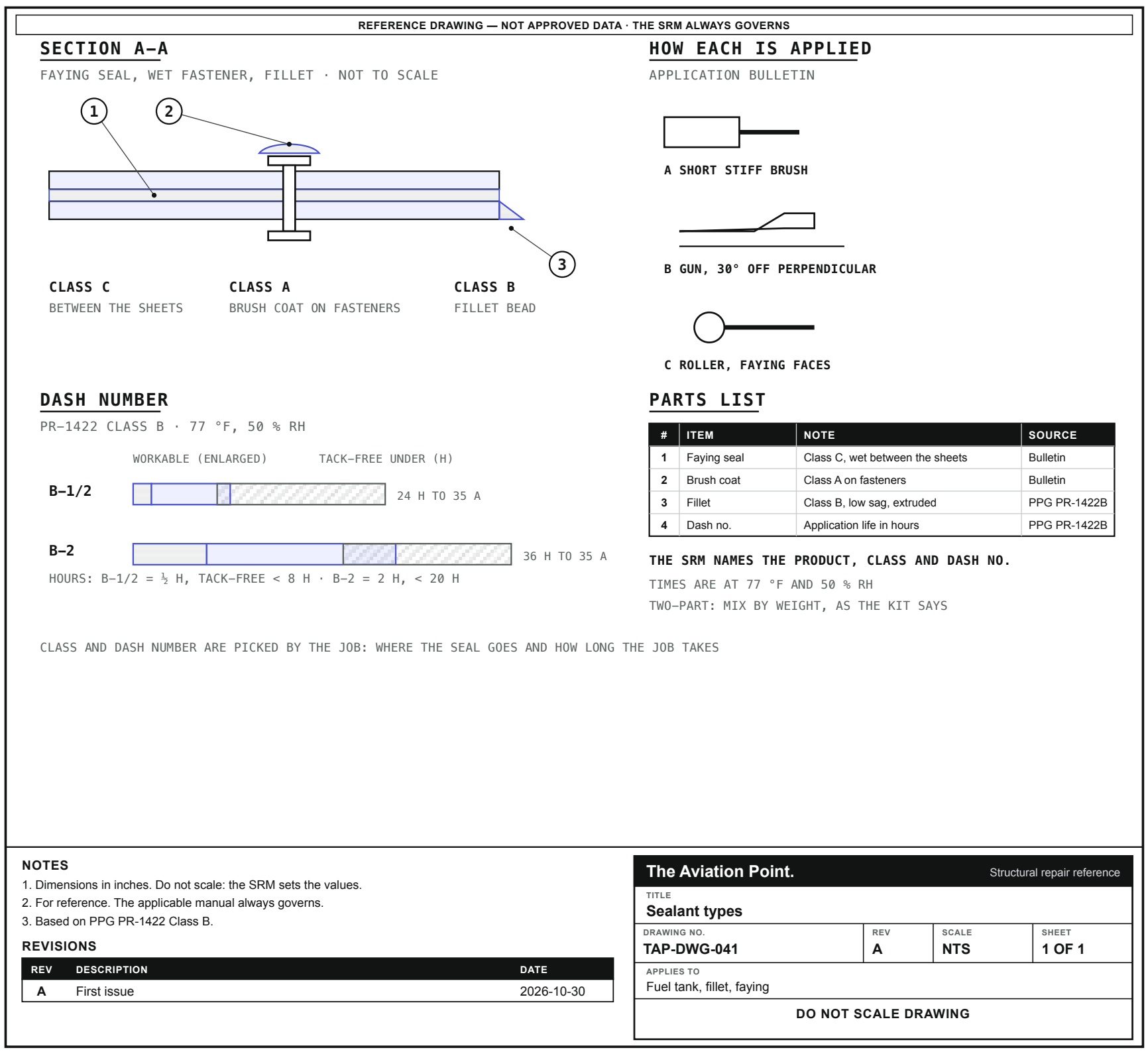
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Sealant Types: Classes A, B, C and Dash Numbers

Class A, B, C · dash numbers · PR-1422 Class B data



Faying seal, brush coat and fillet in section; application by class; the PR-1422 Class B timeline for B-1/2 and B-2; parts list, after a sealant application bulletin and the PPG PR-1422 Class B data sheet (issue 09/10).

Class: how it is applied and what for

Class	Applied by	Used for	How it behaves
A	Brush	Brush coats on fasteners and in crevices, holes and seams; a precoat under a Class B fillet	Flowable. A short, stiff brush works it into leak paths; a second coat goes on once the first is tack-free
B	Extrusion gun or spatula	Fillet seals, vertical and overhead seams	Thixotropic: a low-sag paste that does not run. Usually fewer volatile solvents, so less air and solvent is trapped
C	Roller or comb	Faying surfaces: the faces of mating parts, sealed before assembly	A rollable grade, thinner than Class B

Dash number: one real sheet (PR-1422 Class B)

Dash	Application life	Tack-free	Cure to 35 A	Slump, in (initial / 50 min / 90 min)
B-1/2	½ hour	under 8 hours	24 hours	0.15 initial
B-2	2 hours	under 20 hours	36 hours	0.10 / 0.15 / 0.20

Key points

- **Class A** brush · **B** fillet, low sag · **C** faying, rollable.
- **Dash number** = application life in hours at 77 °F, 50 % RH.
- **PR-1422 B-1/2:** ½ h life, tack-free under 8 h. **B-2:** 2 h, under 20 h.
- **Gun** about 30° off perpendicular, nozzle in the travel direction.
- **Mix by weight** as the kit says; the ratio belongs to the product.
- **The SRM names** product, class and dash number.

Step by step

1. Clean and prime; mask.
2. Mix parts A and B fully.
3. Brush, roll or gun, by class.
4. Fit and install wet within the life.
5. Tool the fillet; cure; paint.

SOURCES · PPG Aerospace, PR-1422 Class B Fuel Tank Sealant, data sheet · Sealant application bulletin: class and applications · SAE International, AS5127/1C: Test Methods for Aerospace Sealants, Two-Component Synthetic Rubber Compounds · FAA AC 43.13-1B CHG 1, Chapter 6

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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.