PRO-SET®

Technical Data
ADV-865
ADV-965

FAST TACK EPOXY ADHESIVE

The New Standard

EPOXIES for Laminating Infusion Tooling Assembly

Gougeon Brothers, Inc.
P.O. Box 908
Bay City, MI 48707
prosetepoxy.com
888-377-6738

ISO9001:2015 Certified

COMBINED FEATURES

Fast Working Time: 3–5 minutes for quick part positioning and workflow efficiency

Short Clamp Time: Clamps can be removed in just 10–15 minutes, speeding up assembly

Convenient Packaging: 300 mL dual cartridge tubes for easy handling and minimal waste.

Precision Dispensing: For use with PRO-SET® 300-Y Gun Fast Tack Manual Dispensing Gun. Cartridge and static mixer deliver accurate ratio with no manual mixing.

Thixotropic Consistency: Stays where applied, ideal for vertical and overhead bonding

HANDLING PROPERTIES

Property	Standard	Units	72°F (22°C)
Working Time (1/2" bead)	ASTM D2471	minutes	3-5
Minimum Application Temp	ASTM D2196	°F (°C)	60 (16)

MIX RATIO

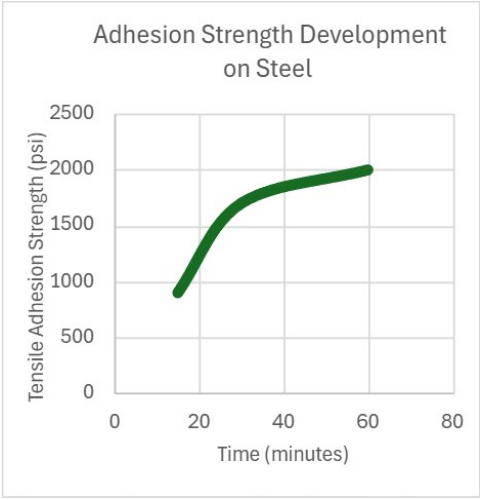
Method	Resin:Hardener	Resin:Hardener
Weight	1.03 : 1.00	100 : 99.9
Volume	1.00 : 1.00	100 : 100

DENSITY

State	Units	72°F (22°C)
Resin	lb/gal (g/cc)	9.93 (1.19)
Hardener	lb/gal (g/cc)	9.60 (1.15)
Cured	lb/gal (g/cc)	11.3 (1.35)

MECHANICAL AND THERMAL PROPERTIES[1]

Property	Standard	Units	72°F (22°C) x 24 hr	72°F (22°C) x 2 wk
Hardness	ASTM D2240	Type D	75	75
Lap Shear on A36 Steel	ASTM D1002	psi (MPa)	-	700 (4.83)
Lap Shear on 2024 T3 Aluminum	ASTM D1002	psi (MPa)	-	540 (3.72)
Tensile Adhesion to A36 Steel	ASTM D4541	psi (MPa)	2,010 (13.9)	2,130 (14.7)
Tensile Adhesion to 2024 T3 Aluminum	ASTM D4542	psi (MPa)	1,100 (7.58)	1,930 (13.3)
Tg by DSC (onset)[2]	ASTM E1356	°F (°C)	95 (35)	104 (40)



[1]Typical values, not to be construed as specification.
[2]10°C/min

Store PRO-SET® Epoxy resins and hardeners at room temperature in sealed containers until shortly before use. As with many high-performance epoxy resins, repeated exposure to low temperatures during storage may cause the resin to crystallize. If this occurs, warm the resin to 125° F and stir to dissolve crystals. Hardeners may form carbamation when exposed to CO_2 and moisture in the atmosphere for extended periods of time. Prevent carbamation by protecting hardeners from exposure until immediately prior to processing.

Shelf Life

Rev 1/ July 2025