



Armstrong A-701 & A-702 Epoxy Resin Adhesive

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PRODUCT DESCRIPTION

Armstrong A-701 and A-702 are one-component epoxy adhesives which are cured by the application of heat above 350°F. These adhesives are recommended where elevated "in service" temperatures are encountered. A-701 and A-702 are suitable for bonding most metals, ceramics, plastics, etc., not affected by the cure temperatures. Both adhesives offer good chemical resistance. A-701 contains fillers of the inert oxide type, permitting applications where good electrical resistance is required. A-702 is unfilled and can be used as a viscosity control for A-701.

Suggested Cure Schedules for Armstrong A-701 & A-702

Elevated Temp.	A-701	A-702
Optimum Cure	2 hrs @ 400°F	2 hrs @ 400°F
Fast Cure	10 min @ 500°F	10 min @ 500°F

* Cure required to develop handling strength

Typical Physical Properties

	A-701	A-702
Viscosity @77°F (poise)	2500 - 5000	150 - 250
Specific Gravity	1.50 - 1.60	1.15 - 1.20
Color	Light Gray	Amber to Off White

Typical Physical Properties of Cured System*

	A-701	A-702
Specific Gravity	1.55	1.77
Tensile Shear Strength (psi)		
@-60°F	3000	3000
@77°F	3500	3800
@180°F	3600	4100
@275°F	3500	4000
@320°F	2600	2300
@350°F	1300	900
@400°F	600	350
Bond Strength (psi)	3500	1700
Cleavage (psi)	2500	1300

*Cured 1 hour @ 400°F

Storage

Store below 5°C out of sunlight and in original unopened containers. Refer to packaging specific quote for shelf life information.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

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