

STAR Technology

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ER4300

Two Part Epoxy Laminating System

DESCRIPTION:

Star Technology, Inc.'s ER4300 epoxy system is a two-component epoxy used for laminating and potting various substrates. ER4300 has been used successfully to bond the following items: expanded polystyrene beadboard, aluminum, lauan, Melamine/Formica, Masonite, cold rolled steel (CRS), and plywood.

Versabond ER4300 has found uses in laminating exterior and interior steel doors, gasoline station canopies, insulated building and roof panels, RV side panels and roofs, and potting of various electronic components.

Versabond ER4300 can be cleaned up by using mild solvents including vinegar.

TYPICAL PROPERTIES:

	<u>TEST METHOD</u>	<u>VALUE</u>
Viscosity (centipoise)	ASTM D2393	
Component A:		60,000
Component B:		60,000
Mixed:		60,000
Density (lbs./gal.)	ASTM D1475	
Component A:		14
Component B:		14
Mixed:		14
Color		
Component A:		Grey
Component B:		Black
Mixed:		Grey
Mix Ratio, Resin to Hardener		
Parts by Weight		100:50
Parts by Volume		100:50
Pot Life at 23°C (minutes)	ASTM D2471	60
Ultimate Cure Time at 23°C (hours)		48
Shore Hardness (Type D)	ASTM D2240	80
Shear Strength (psi)		
24 hours at 23°C:	ASTM D638	1800
Aged (336 hours at 100°C):		1200
Tg (°C):		100°C

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