

# STAR Technology

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## ER2101

### Two Part Epoxy System

#### DESCRIPTION

ER2101 Epoxy System is a two part epoxy used for laminating and potting various substrates. ER2101 has been used successfully to bond the following items: expanded polystyrene beadboard, aluminum, lauan, Melamine/Formica, Masonite, cold rolled steel (CRS), and plywood. ER2101 is a 100% solids product containing no volatile solvents which might prove irritating to employees.

ER2101 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.

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

#### TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Gel Time [100 gram mass at 75° F] (minutes):	ASTM D2471	80-120
Cure Time (hours):		48
Press Time (hours):		8-12
Lap Shear (psi):	ASTM D1002	
Room Temperature [CRS to CRS]:		1800
Room Temperature [CRS to Wood]:		1000
180°F [CRS to CRS, 48 hours at 75°F]:		570
Solids Content (%):		100 [No Solvents]
Part A:		
Viscosity (cps):	ASTM D2393	16000-24000
Color:		Blue
Part B:		
Viscosity (cps):	ASTM D2393	16000-24000
Color:		Yellow
Mixed Product:		
Color:		Green
Mix Ratio:		
By Weight:		100: 100
By Volume:		100: 100

To the best of our knowledge, the information contained herein is accurate. However, STAR TECHNOLOGY, Inc., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchaser in selecting the appropriate products for purchaser's own testing. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein and in the material safety data sheet, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.



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#### APPLICATION PROCEDURES

Carefully weigh out appropriate amounts of resin and hardener into a clean mixing container and thoroughly mix until all streaks and striations are gone. Scrape the sides and bottom frequently to ensure complete mixing.

For 1# and 2# kits, add all of Part B to Part A and mix thoroughly.

*CAUTION:* Unmixed compound from the sides or bottom of the container can cause soft spots or uncured areas in the completed piece. To prevent this, transfer the entire mixed contents to a second clean container and remix for a short time before using.

#### PRECAUTIONS

For industrial use only. Keep away from children.

Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using.

Avoid contact with skin or eyes. In the event of an eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing of safety glasses with side shields and impervious gloves is recommended.

#### RESIN AND HARDENER WARNING STATEMENT

May cause allergic skin reaction. Avoid all contact with skin, eyes, and clothing. Wash thoroughly after handling.

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