

STAR Technology

FORMULATING • INNOVATIVE • SOLUTIONS

ER2120

Star Tech Two Part Epoxy System

DESCRIPTION

Star Technology, Inc.'s Star Tech **ER2120** epoxy system is a two component epoxy used for laminating and potting various substrates. Star Tech **ER2120** was developed to bond difficult substrates like stainless steel and aluminum. **ER2120** has excellent impact resistance which makes this product ideal for potting applications requiring vibration resistance. Star Tech **ER2120** is a 100% solids product containing no volatile solvents which might prove irritating to employees.

BENEFITS

100% Solids

TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Cure Time (hours):		48
Gel Time [100 grams mass at 77° F] (minutes):		300
Shore D Hardness:	ASTM D2240	60
Lap Shear [CRS to CRS] (psi)		
23°C:	ASTM D1002	1800
Lap Shear [Al to Al] (psi)		
23°C:	ASTM D1002	1300
Part A:		
Specific Gravity (g/cc):	ASTM D1475	1.63
Viscosity (cps):	ASTM D2393	25000
Color:		Grey
Part B:		
Specific Gravity (g/cc):	ASTM D1475	1.40
Viscosity (cps):	ASTM D2393	37000
Color:		Beige
Mix Ratio:		
By Weight:		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.

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.

WARNING STATEMENT

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

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