

# STAR Technology

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## ER3125

### Two Part Potting Epoxy

#### DESCRIPTION

ER3125 is a room temperature cure epoxy potting and encapsulation compound formulated to facilitate automatic casting operations. ER3125 was formulated specifically to adhere to flexible and rigid PVC. The Shore D hardness of ER3125 lends its use to include prototype mold making, potting and encapsulation for shock sensitive components, PC board protection and moisture proofing of electronic assemblies and sub-assemblies.

The ER3125 part A contains fillers. Over a prolonged period of time these fillers may settle. It may need mixing in its original container prior to its use. ER3125 comes in Blue. Other colors are available upon request.

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

#### BENEFITS

Excellent adhesion to PVC

Excellent Water Resistance

#### TYPICAL PROPERTIES (cure 7 Days at 75° F)

	<u>TEST METHOD</u>	<u>VALUE</u>
Gel Time [100 Gram Mass at 75° F] (minutes):	ASTM D2471	75
Cure Time (hours):		24
Shore D Hardness:	ASTM D2240	>80
Lap Shear [CRS to CRS] (psi):	ASTM D1002	
23° C:		1600
Part A:		
Viscosity (cps):	ASTM D2393	40,000
Color:		Black
Part B:		
Viscosity (cps):	ASTM D2393	7000
Color:		Beige
Mixed Product:		
Viscosity (cps):	ASTM D2393	20,000
Color:		Black
Mix Ratio:		
By Volume:		1:1
Shelf Life (months):		12 months

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.

## 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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