

STAR Technology

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ER2108

High Temperature Resistant Single Part Structural Adhesive

DESCRIPTION

ER2108 is a single part heat cure epoxy adhesive formulated to bond steel, aluminum, ferrite, and most other ferrous and non-ferrous metals. This adhesive will withstand elevated temperatures and is resistant to most chemicals. To insure the best chemical resistant and heat resistant properties, it is recommended that the ER-2108 adhesive joint be brought to the temperature of 150°C for 2 to 4 hours. This may necessitate an actual cure time of greater than 2-4 hours for high mass components. Higher cure temperatures will dramatically reduce the time needed to cure the product. Lower cure temperatures will offer reduced chemical and heat resistant properties. Lab evaluation should be performed on your specific application with regard to cure temperature and time.

TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Cure Time (hours):		
150°C:		2 to 4
Cure Mechanism:		Heat
Lap Shear (psi):	ASTM D1002	
Room Temperature [CRS to CRS]:		>2900
150°C [CRS to CRS]:		>1700
Room Temperature [Al to Al]:		>1100
150°C [Al to Al]:		>1100
Viscosity (cps):		Paste
Color:		Tan to Buff
Shelf Life (months):		
Stored at 25°C:		3

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.

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.