



**HBF EY2562**

EY2562 is designed to fill the need for a strong, pourable and lightweight filler for honeycomb core panels. It can be used to pot fasteners or as edge closeout after the panel is trimmed to contour. It is fire retardant, resistant to long exposure to 350°F and cures at room temperature in thicknesses in excess of one inch.

<b>Technology / Base</b>	Epoxy
<b>Type of Product</b>	Structural Adhesive
<b>Components</b>	Two Component
<b>Curing</b>	Room Temperature (secondary thermal cure)
<b>Appearance / Color</b>	Off White
<b>Consistency</b>	Liquid

**Features and Benefits**

- Extremely Light Weight
- Excellent Chemical Resistance
- Self Extinguishing
- Excellent Bonding to Metals, Composites, Coatings, and Most Plastics
- Excellent Chemical Resistance
- Suitable for MMD Dispensing Equipment
- Excellent Thermal Performance
- Room Temperature Cure

**General Instructions**

Surfaces must be clean, dry and free from grease, oil, paint, wax and weak oxide films and other surface contaminants. Chemical etching, sanding or grit blasting often gives the best results. Bring both components to room temperature prior to mixing. Be sure to stir the entire container of EY2562A. It contains hollow glass spheres which rise to the surface of the liquid resin. The contents must be of uniform consistency before adding hardener. Just prior to using, blend the two components, Part A and Part B, in the ratio above. Stir thoroughly with a slow speed mixer, to avoid breaking the glass microballoons. Mechanical mixing is preferable, but should be carried out at slow speeds (<300 rpm), taking as little air as possible into the adhesive batch. Spread a thin layer of the mixed adhesive on one or both of the parts to be bonded. Once the adhesive is applied, no open time is necessary. The surfaces can be assembled immediately. Parts should be assembled while the adhesive is still wet to the touch before it sets. The individual parts, the ambient temperature and the adhesive itself will dictate the open time permitted.

**Specifications and Approvals**

MDL 8027 Type 7, Revision 1

**Handling and Clean-Up**

See SDS for handling and clean-up information.

**Storage**

Product should be stored in a cool dry place out of direct sunlight. The shelf life is from date of manufacture. Shelf life is based on the products being stored properly at temperatures between 12°C and 25°C. Exposure to temperatures above 25°C will reduce the shelf life. This product should not be frozen.

**Use Note**



Technical Data

Rheology	Value	Condition/Method
Viscosity - Part A	80,000 cPs	at 25°C
Viscosity - Part B	2,400 cPs	at 25°C
Viscosity - Mixed	20,000 cPs	at 25°C
<b>Density</b>		
Specific Gravity	0.84	
<b>Uncured Material Characteristics</b>		
Volume Mix Ratio	0	at 25°C
Weight Mix Ratio	100 to 40	
Pot Life		
Gel Time	90 min	
Handling Time	16 hours	
Full Cure @ 23°C	48 to 72 hours	
Full Cure @ 66°C	2 hours	
Shelf Life	12 months unopened	
<b>Cured Mechanical Properties</b>		
Hardness		ASTM D1002, 25°C 50% RH
Tensile Strength		
Elongation at Break		
Overlap Shear Strength		
Aluminum, Acid Etched	11.0 MPa (1600 psi)	
Operating Temperature	-55°C to 177°C (-67°F to 350°F)	
<b>Cured Electrical Properties</b>		
Dielectric Constant		
Dielectric Strength		
Volume Resistivity		

**Safety and Disposal**

See SDS for safety and disposal information.

H.B. Fuller Company  
 1200 Willow Lake Boulevard  
 St. Paul, MN 55164  
 +1.651.236.5900 tel

[www.hbfuller.com](http://www.hbfuller.com)

[www.hbfullerengineering.com](http://www.hbfullerengineering.com)

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