



Epoxy.com Product # 504/505

Polypaste — High Temperature Industrial Polyester

DESCRIPTION

Epoxy.com POLYPASTE is a fast-setting industrial filler paste used for manufacturing, fabrication and repair in aircraft, aerospace and other industries having requirements for above normal temperature exposure. Fast and permanent applications are achieved by POLYPASTE. The service temperature of Filler 7 is up to 400 degrees F (205 degrees C). POLYPASTE is used in the construction industry to seal cracks for injection and for patches used on concrete, wood, steel and other suitable construction materials.

Excellent machining and finishing results are accomplished by grinding, sanding, scraping, etc. When exposed to elevated temperatures, POLYPASTE has a tendency to darken but does not gas, bubble, or cause any finish distortion. This product does not contain wax and readily bonds to itself and other substrates such as FRP/SMC, hi-temp epoxy molds, aluminum, steel, cast iron, urethane foam parts, etc. POLYPASTE is non-metallic, non-conductive, and non-sparking.

APPLICATION PROCEDURES

Surface Preparation

Prior to application, area to be repaired should be roughened and thoroughly wiped clean to ensure proper adhesion.

Mixing Instructions

Thoroughly blend 100 parts resin (a golf ball sized mass) with 2 parts (2? strip) hardener for 1 1/2 minutes in a clean dry container carefully scraping sides and bottom of container during the mixing process to ensure uniformity.

Application

Epoxy.com POLYPASTE should be applied by buttering onto area to be repaired. After material has cured, the repair area can be sanded to desired surface finish.

STORAGE

POLYPASTE should be stored at a temperature less than 75 degrees F. Storage above 75degrees F will shorten the shelf life and render the product unusable. The shelf life for this product is six months.

SAFETY PRECAUTIONS

For industrial use only. Keep away from children. Refer to Material Health and Safety Data Sheet (MSDS form) pertaining to this product before using.

Avoid contact with skin or eyes. In the event of eye splash or contact, immediately flush with water for 15 minutes and contact physician. If skin contact occurs, wash with mild soap and water. Prolonged or repeated exposure may cause skin and eye irritation. It is recommended that the user wear impervious gloves and safety glasses with side shields.

HANDLING PROPERTIES

	Test Method	Value
Mix Ratio (resin to hardener by wt or vol)		100R to 2H
Viscosity or Consistency @ 77F	ASTM D-2393	Thixotropic Paste
Pot Life (100 gram mass @ 77F)	ASTM D-2471	4-7 minutes
Cure Schedule @77F		15-20 minutes

PHYSICAL PROPERTIES

Density (lbs/gal)		14.13
Specific Gravity (g/cm ³)	ASTM D-1475	1.70
Shore Hardness (D)	ASTM D-792	88-90
Service Temperature (peak)	ASTM D-2240	400 Degrees F
Stock Colors		Lt. Grey Black, White, Orange

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

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