Kneadatite® A/B Epoxy Putty Bars

Product description

Kneadatite A/B is a two-part, general-purpose epoxy putty in kit form for larger repairs to glass, ceramics, concrete, many metals and wood. The kit consists of contrasting color bars of epoxy resin (Bar A) and hardener (Bar B) to allow for easier, more accurate blending of the two components. After mixing and before hardening, Kneadatite A/B can be shaped, molded and sculpted as desired. Once hardened it can be drilled, machined, filed, tapped and painted.

Basic uses

This versatile epoxy compound can be used for all types of interior or exterior maintenance and repairs. Use Kneadatite A/B to repair oil pans; fill rust holes; repair automotive dents; as a threadlocker; and to patch chipped concrete, concrete blocks, bricks and garden sculptures.

Benefits

- Will cure underwater.
- Non-shrinking.
- Solvent resistant
- Paintable

Application limitations

- Does not adhere to polyethylene, polypropylene or PTFE.
- Not intended for structural applications.

Color

Available in White that cures to Off-white. Steel Gray, Copper and Aluminum are available by special order.

Packaging

Packed 12 one-pound (0.45 kg) kits per shipping carton. Bulk and special packaging available upon request.

How to use

Surface preparation: To achieve optimum adhesion, surfaces should be solid, clean and free of grease or dirt. Scuffing or sanding the surface prior to cleaning helps insure a good bond.

Mixing and application: Wear impermeable gloves when mixing or handling uncured product. Place the A and B bars side by side and cut off equal amounts. Pull back the protective film and blend or knead with gloved fingers until the material is a uniform color. Use damp fingers or tools to create a slippery feel for manipulation of the uncured material. If mixing is difficult, warm Kneadatite A/B to room temperature or slightly above.

Apply to the repair surface within 30 minutes of mixing. Force into cracks or holes and remove excess material before hardening begins, preferably with a tool moistened with water. When applying to a damp or wet area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect. Mixed epoxy sets in approximately 80 minutes.

Shelf life: One year from date of shipment when stored in unopened container at temperatures below 75°F (24°C).

Health precautions

- Contains Epoxy Resin. Epoxies are skin/eye irritants and known sensitizers. Direct product contact may cause an allergic reaction in some individuals. Avoid skin/eye contact. Wear impermeable gloves when mixing or handling uncured product.
- Inhalation of dust may be harmful. Avoid inhalation of dust. Wear dust mask and protective eyewear when sanding cured product.
- Ingestion of product may be harmful. Avoid ingestion.
- Turn off power when doing electrical repairs.
- KEEP OUT OF THE REACH OF CHILDREN.

For additional health and safety information, consult a Safety Data Sheet.

Performance data appears on reverse side.

Performance Data*		
Properties	**Results**	**Test Methods**
Uncured Properties		
Mix ratio by weight or volume	1:1	
Consistency	Putty	
Non-volatile content	>99%	
Density	15.8 lb/gl (1.9 g/cm^3)	
Work life	45 to 60 minutes	
Cured Mechanical Properties		
Hardness, Shore D (full cure, 24 hours)	80	ASTM D2240
Lap shear tensile strength		
On steel 1˝x 1˝x 1/16˝ (25 x 25 x 1.6 mm)	460 lb (3 MPa)	ASTM D1002
On aluminum 1˝x 1˝x 1/16˝ (25 x 25 x 1.6 mm)	275 lb (2 MPa)	
Compressive strength	5,500 psi (45 MPa)	ASTM D695
Shrinkage	<1%	ASTM D2566
Temperature limits		
Continuous	-40 to +250°F (-40 to +121°C)	
Intermittent	-40 to +300°F (-40 to +149°C)	
Chemical resistance	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, and dilute acids and bases	
Cured Electrical Properties		
Electrical resistance	30,000 megohms-cm	ASTM D257
Dielectric strength	300 volts/mil	ASTM D149

**Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.*

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