



Kneadatite® A/B Epoxy Putty Bars

Product description

Kneadatite A/B is a two-part, general purpose epoxy putty. Contrasting color epoxy resin (Bar A) and hardener (Bar B) allow for easier and 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, tapped, filed, machined and painted.

Basic uses

Kneadatite A/B is a versatile epoxy compound that bonds to ceramics, glass, concrete, many metals and wood for all types of interior or exterior repairs and maintenance. Use it to repair oil pans; fill rust holes; repair automotive dents; as a threadlocker; to patch chipped concrete, bricks, concrete blocks and garden sculptures.

Benefits

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

Application limitations

- Does not adhere to PTFE, polyethylene or polypropylene.
- Not 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.

Application

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.

Performance Data*

Properties	Results	Test Method
Uncured Properties		
Mix ratio by weight or volume	1:1	
Consistency	Putty	
Non-volatile content	>99%	
Density	1.9 gm/cm ³ 15.8 lb/gal	
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")	460 lbs	ASTM D1002
On aluminum (1" x 1" x 1/16")	275 lbs	
Compressive strength	5,500 lbs/in ²	ASTM D695
Shrinkage	<1%	ASTM D2566
Upper temperature limits		
Continuous	250°F (121°C)	
Intermittent	300°F (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	ASTM D257
Dielectric strength	300 volts/mil	ASTM D149

* Typical properties are for information only, not for purposes of specification.

Mixing: Rubber or plastic gloves are strongly recommended when mixing and applying Kneadatite A/B. Place the two 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. 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).

Availability and cost

Polymeric Systems, Inc., is a part of Whitford Worldwide. For more information, please contact Polymeric Systems or Whitford Plastics Ltd. at:

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Runcorn, Cheshire, UK WA7 1ST
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Health precautions

- May cause irritation or burns to eyes and skin. Avoid contact with eyes, skin or clothing.
- Potential skin sensitizer. Rubber gloves are recommended. For skin contact, wash affected area with soap and water.
- Eye irritant. Safety glasses recommended. In case of contact, flush with water and contact physician.
- Keep out of reach of children.
- When sanding cured putty and substrate, use protective eye wear and dust mask.

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

NON-WARRANTY: ALL RECOMMENDATIONS, STATEMENTS AND TECHNICAL DATA CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE AND CORRECT, BUT ACCURACY AND COMPLETENESS OF SAID TESTS ARE NOT GUARANTEED AND ARE NOT TO BE CONSTRUED AS A WARRANTY, EITHER EXPRESS OR IMPLIED. USER SHALL RELY ON HIS OWN INFORMATION AND TESTS TO DETERMINE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM THIS USE OF THE PRODUCT. MANUFACTURER'S SOLE RESPONSIBILITY SHALL BE TO REPLACE THAT PORTION OF THE PRODUCT OF THE MANUFACTURER THAT PROVES TO BE DEFECTIVE. MANUFACTURER SHALL NOT BE LIABLE TO THE BUYER OR ANY THIRD PARTY FOR INJURY, LOSS OR DAMAGE DIRECTLY OR INDIRECTLY RESULTING FROM USE OF, OR INABILITY TO USE, THE PRODUCT. RECOMMENDATIONS OR STATEMENTS OTHER THAN THOSE CONTAINED IN A WRITTEN AGREEMENT SIGNED BY AN OFFICER OF THE MANUFACTURER SHALL NOT BE BINDING UPON THE MANUFACTURER.

Form No. 4028-EM07