



american coating technologies

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Product Technical Data

AM 103 Rapid Cure Metal Stick

STEEL-REINFORCED EPOXY PUTTY STICK

Product Description

AM 103 Rapid Cure Metal Stick is a hand-mixable, non-rusting, steel-reinforced epoxy putty that quickly repairs or rebuilds anything made of steel. After mixing, it forms an industrial-strength polymer compound that can be molded into shapes or used to build up, patch and repair steel components. Each handy stick contains pre-measured portions of activator and base throughout—no measuring or mixing tools are necessary. The consistency (like modeling clay) eliminates drips and runs and facilitates adhesion to the substrate. After 60 minutes the application can be drilled, tapped, ground, machined, filed, and painted. FastSteel cures to a dark gray metallic color.

Suitable for interior or exterior use, it is resistant to water, chemicals, and temperature extremes. AM 103 Rapid Cure Metal Stick contains no VOCs or solvents. It's non-flammable and releases no noxious fumes. It won't shrink or pull away. The unused portion stays fresh for future use when saved in its original package.

Shelf Life At 75°F (24°C):

24 Months Minimum

Shore D Hardness At Full Cure:

80 (24 hrs)

Lap Shear Tensile Strength:

On steel: (1" x 1" x 1/16") 900 lbs (6.2 MPa)

Compressive Strength:

8,000 PSI (55 MPa)

Density:

18.5 lb/gal, 2.2 gm/cm³

Shrinkage:

< 1%

Non-Volatile Content:

100%

Electrical Resistance:

30,000 megohms-cm

Dielectric Strength:

300 volts/mil

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.

Applicable Standards:

Certified by NSF International to NSF/ANSI Standard 61 for drinking water contact.

Packaging Options:

AM 103 Rapid Cure Metal Stick is available in 3.5" (2 oz) and 7" (4 oz) lengths, individually packaged in a reusable clear plastic tube with instructions and plastic friction top. The display carton holds 12 or 24 - 3.5" sticks or 12 - 7" sticks (packed 2 display cartons per master carton), or bulk-packed 24 sticks per shipper carton. Display cartons are also sold separately for refillable, point-of-purchase display. 3.5" sticks are also available in blister packs (12 per carton); printer minimum applies. Contact Sales for acrylic display rack supplier information

Work Life:

3 to 5 Minute Work Life

Color:

Mixed Color Steel Gray

Features & Benefits:

- Ultimate Solution For Small Or Emergency Repairs
- Easy-To-Use And Mistake-Proof
- Bonds Instantly With Superior Strength
- Rebuild Stripped Threads
- Rebuild Small Machine Parts
- Rebuild Rust-Damaged Metal
- Form Custom Tools, Handles
- Form Prototype Parts
- Form Anchor Machines
- Repair Leaking Pipes
- Repair Ductwork
- Repair Cracks And Voids In Metal
- Fills Cracks And Voids In Metal
- Seals Leaks In Pipe Joints
- Repairs Engines And Rebuilds Small Parts

Not Intended For Structural Applications:

*Not to be used for specification purposes

Warnings:

Contains Epoxy Resin and Tri (dimethylaminomethyl) phenol. Skin and eye irritant/sensitizer. Direct product contact may cause allergic reaction in some individuals. Wear impervious gloves when mixing or handling uncured product. Avoid contact with eyes.

Inhalation of dust may be harmful; wear dust mask and protective eyewear when sanding cured product. Ingestion of product may be harmful.

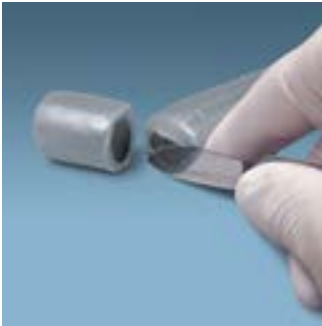
KEEP OUT OF REACH OF CHILDREN. See product insert or SDS for additional information.

See reverse side for our application guidelines, liability and warranty.

Emergency Leak Repair Wrap Instructions:

HOW TO USE:

Before applying, roughen and clean the area to be repaired. Wear impervious gloves when mixing or handling uncured AM 103 Rapid Cure Metal Stick. Then follow these easy steps.



1. Cut or twist off required amount.



2. Mix by kneading with gloved fingers to a uniform color. If mixing is difficult, warm AM 103 Rapid Cure Metal Stick to room temperature or slightly above.



3. Apply to surface to be repaired within 2 minutes of mixing. Force into any cracks or holes and strike off excess material, preferably with a tool moistened with clean water.

When applying to a damp, wet or slowly leaking area, work the mixed material forcefully into the surface and apply pressure until adhesion begins to take effect. For best results: Use damp fingers for easier mixing application, and smooth appearance of the cured compound. Remove excess material before hardening begins. Curing: AM 103 Rapid Cure Metal Stick has a 3-to-5 minute work life. Functional cure occurs in 60 minutes.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**