TECHNICAL DATA SHEET-TDS

MRO 8051 – S STICK

High Performance Steel Reinforced Co-Centric Epoxy Stick

PRODUCT DESCRIPTION

'MRO 8051 S Stick' A Epoxy Putty Stick is a fast-setting, industrial-strength polymer compound that enables permanent repairs to anything made of steel or other metals. It also bonds to wood, glass, masonry, and many plastics. Each handy stick contains pre-measured portions of activator and base throughout – no measuring or mixing tools are necessary. As the epoxy is mixed, the two contrasting colors blend into one color to indicate complete mixing. The consistency (like modeling clay) eliminates drips and runs, facilitates adhesion to the substrate, and allows the material to be shaped and formed as needed before curing begins. 'MRO 8051 S Stick' cures to a dark gray metallic color. Once cured, it can be tapped, drilled, screwed, sawed, machined, ground, filed or painted. It is non-rusting.

BENEFITS

- 'MRO 8051 – S Stick' is lightweight & simple to use, allowing easy transportation to emergency situations and areas with limited access
- Easy to mix & fast cure for high speed emergency repairs with minimal disruption in in situ applications.
- Excellent adhesion to metals including stainless steel, carbon steel, lead, aluminum, brass and copper as well as many other materials
- Reduced health and safety risks as it is cold-applied and solvent-free allowing application even in confined spaces
- Two-color formulation ensure uniform mix

APPLICATION AREAS

- Repairing of damaged internal threads of various types of machine pumps.
- Repairing heat exchangers and condensers
- Repairing of cooling pump impellers & Butterfly valves
- Sealing of leakage/cracks in metal fabrications, industrial vessels, boilers, hulls of ships, boats and trawlers.
- Sealing water supply mains, storage tanks, concrete sewer pipes, heat exchanger coils, etc.
- Sealing blowholes, cracks, and leakage in ferrous and non-ferrous casting, pumps and mould boxes etc.
- Sealing holes/cracks in wooden and metal patterns.
- Sealing cracks in casings of meters/gear-box etc.
- Tank linings and chutes, Agitator Shafts, Slurry Lines, Spiral Classifiers

DIRECTIONS FOR USE

CURE

Workable for 3-4 mins. Set in 10 mins.

SURFACE PREPARATION

Proper surface preparation is essential for a successful application. The following procedures should be considered:

- All surfaces must be dry, clean and rough.
- If surface is oily or greasy use 'MRO 1011 KLEANER DEGREEZER' to degrease the surface.
- Remove all paint by 'MRO 1017 PAINT REMOVER'.
- Remove rust and grime from the surface by abrasive blasting or other mechanical techniques.
- Chemical cleaning with 'MRO 1011 KLEANER DEGREEZER' should follow all abrasive preparation. This will help to remove all traces of sandblasting, grit, oil, grease, dust or other foreign substances.
- Always try to make the repair as soon as possible after cleaning the substrate, to avoid oxidation or flash rusting.

MIXING

- Cut out the required amount with a knife and knead with fingers or briskly roll between palms to a uniform color.
- Apply to surface to be repaired within 3 minutes of mixing.

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APPLICATION

For best results, product should be kept and applied at room temperature. 'MRO 8051 – S Stick' can be applied when temperatures are between 13°C and 52°C. Spread the Stick over prepared surface with hand. Press firmly to ensure maximum surface contact and avoid trapping air. Force the material into any cracks or holes to be filled.

PRECAUTION

For complete safety and handling information, please refer to Material Safety Data Sheets (MSDS) prior to using this product.

AVAILABLE PACKAGING

114 gm (4 oz) Co-centric Stick

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MRO 8051 – S STICK

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Technical Properties

PARAMETER	VALUE
Appearance	Grey
Mix Ratio by volume	1:1
Working Life	3 Minutes
Cure	Room Temperature
Working Temperature	125°C
Intermittent Temperature	150°C
Complete Cure Time	2 Hours
Cured Hardness / Shore D	80
Dielectric Strength volts/mil	300
Tensile Shear Strength	75 Kg/Sq cm
Compressive Strength	850 Kg/Sq Cm
Flexural Strength	500 Kg/Sq Cm
Shrinkage (%)	<1
Non Volatile content (%)	100
Chemical Resistance	Hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

SHELF LIFE & STORAGE

A shelf life of minimum 2 year from date of manufacture can be expected when stored at room temperature (22°C) in their original containers

HANDLING

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding PPE, safe use, and physical & health hazards. Safety data sheet is available from MRO INFRA or your local MRO INFRA Channel Partner.

DISPOSAL

All used and unused product should be disposed of in accordance with state regulations.

LIMITED WARRANTY

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended MRO INFRA product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use.

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