

DESCRIPTION

MeCaFix 50 is a hand-mixable, steel-reinforced, non-rusting 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 stick contains pre-measured portions of activator and base throughout — just cut, mix, and apply. No measuring or mixing tools are required. As easy as modeling clay with a consistency that facilitates adhesion to the substrate.

APPLICATIONS

- Thread Repair
- Tank repair
- Pipe Repair
- Form Tools and Handles
- Duct Repair
- Molds & Castings
- Resurfacing Metal Loss
- Gutters and Downspouts

HOW TO USE

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

Mixing and application: Wear impervious gloves when mixing or handling uncured product. Twist or cut off required amount with gloved fingers, then mix by kneading to a uniform color. Use damp fingers for easier mixing and application. If mixing is difficult, warm MeCaFix 50 to room temperature or slightly above.

Apply to the repair surface within 2 minutes of mixing. Force into the surface including any cracks or holes. 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. Strike off excess material before hardening begins, preferably with a tool moistened with clean water. For a smooth cured appearance, rub with water or a damp cloth prior to hardening. MeCaFix 50 has a work life of 3 to 5 minutes. Functional cure occurs in 60 minutes. The application can then be drilled, tapped, machined, ground, filed, and painted.

PACKAGING

Packaged in a reusable clear plastic tube with a plastic friction top, 18 tubes per carton.

TECHNICAL DATA

Uncured Properties	Results
Working Life (75°F / 24°C)	3-5 minutes
Functional Cure	1 hour
Full Cure Time (70°F / 21°C)	24 hours
Non-volatile content	100%
Density	18.5 lb/gal (2.2 g/cm³)

Cured Properties	Results
Color	Dark Gray
Hardness Full Cure ASTM D2240	[Shore D] 80
Lap Shear Tensile Strength on Steel 1" x 1" x 1/16" (25.4 x 25.4 x 1.62 mm) ASTM D1002	900 psi (6.2MPa)
Temperature Limits: Continuous	-40 to 250°F (-40 to 121°C)
Temperature Limits: Intermittent	-40 to 300°F (-40 to 149°C)
Electrical Resistance ASTM D257	30,000 megohms-cm
Dielectric Strength ASTM D149	300 volts/mil

SHELF LIFE

Two years minimum from date of shipment when stored in original, unopened container in a dry area at temperatures below 75°F (24°C).

BENEFITS

- Suitable for interior and exterior use.
- Safe for use with potable water.
- Contains no solvents or VOCs.
- Won't shrink or pull away.
- Non-flammable; releases no noxious fumes.
- Cures underwater.

LIMITATIONS

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

APPROVALS

MeCaFix 50 is approved for drinking water system components - NSF/ANSI/CAN 61 for commercial hot water 180 °F (82 deg °C)

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS

