

# MetalTec® 6000

## Data Sheet



Postle Industries • Cleveland, OH USA • Telephone: 216-265-9000 • Fax: 216-265-9030

### Trowel Applied Machinable Repair Compound

A trowelable, machinable grade composite repair compound formulated with stainless steel for maximum durability and performance. Protects surfaces exposed to temperatures up to 400°F (204°C). As a corrosion resistant coating MetalTec 6000 offers excellent protection against a wide variety of chemicals - organic and inorganic acids, caustics, oils, solvents and detergents. Although proper surface preparation is very important, MetalTec 6000 is very surface tolerant of oil imbedded surfaces.

MetalTec 6000 is non-shrinking and cures to use in about 4 hours, at which time it can be drilled, tapped or machined with conventional cutting tools. An excellent choice for rebuilding shafts, bearing housings, keyways, as well as mismachined parts that must be brought back to original dimensions.

MetalTec 6000 produces exceptional physical properties - compressive, tensile, and adhesive strength - and is excellent for making permanent repairs to leaking pipes, storage tanks, cracked engine blocks or bonding metals to non-metals, such as concrete to steel. Its thick consistency allows it to be troweled and molded to almost any shape or contour. On vertical surfaces, it may be applied to 1/4"(3.2mm) thick without sagging.

USDA accepted for incidental food contact.

### Specifications

**Product Type:** MetalTec

#### Properties

Compressive Strength (ASTM D695): 17,700 psi

Adhesive Strength (ASTM D1002): 3,000 psi

Shore D Hardness: 93

Temperature Resistance Dry: 400°F (204°C)

Temperature Resistance Wet: 400°F (204°C)

Dielectric Strength (ASTM D149): 500 volts/1 mil thickness (25 microns)

Mix Ratio By Volume: 3 parts B to 1 part A

Mix Ratio By Weight: 3 parts B to 1 part A

Working Time @ 70oF(21oC): 30 minutes

Cure Time @ 70oF(21oC): Usable in 3 - 4 hrs.

Coverage: 2.2lbs covers 2.22ft.(0.20m2) @ 1/8"(3.2mm) thick

### Applications

Parts and equipment rebuilt with MetalTec 6000 can be easily machined back to original dimensions. Worn bearing housings, damaged keyways, stripped threads, scored hydraulic rams, worn shafts, valve and pump components. For repairing cracks in engine blocks and sealing leaks in tanks, radiators, condensers, heat exchangers, pipes and flanges. Also ideal for chocking and leveling machinery and other uneven surfaces.

#### Standard Packaging

2.2 lbs (1 kg) Box, 11 lbs (5 kg) Box, 33 lbs (15 kg) Box



Postle Industries • E-mail: [sparky@postle.com](mailto:sparky@postle.com) • [www.hardfacetechnologies.com](http://www.hardfacetechnologies.com)

©2013-2016 Postle Industries All rights reserved.