

# MetalTec® 7100

## Data Sheet



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### MetalTec 7100 (Black)

#### Brushable Wear Resistant Ceramic

A brushable ceramic composite designed for coating new and worn surfaces exposed to wet or dry particle abrasion, frictional wear, erosion, cavitation and corrosion. It is non-shrinking and self-leveling, requiring no finishing.

MetalTec 7100 is formulated with high hardness, abrasion resistant ceramic fibers in various precalculated shapes and sizes. Together with the unique polymer formulation, the compressive strength, adhesive strength and temperature resistance is very high. It cures to a smooth slick finish.

USDA accepted for incidental food contact.

### Specifications

**Product Type:** MetalTec

#### Properties

Compressive Strength (ASTM D695): 21,000 psi

Adhesive Strength (ASTM D1002): 3,000 psi

Shore D Hardness: 96

Temperature Resistance: Wet - 225°F (107°C)

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

Mix Ratio - By Volume: 6 parts B to 1 part A

Mix Ratio - By Weight: 14 parts B to 1 part A

Working Time @ 70°F(21°C): 30 minutes

Cure Time @ 70°F(21°C): Usable in 10 - 12 hrs.

Coverage: 2.2lbs covers 6.252ft.(0.56m<sup>2</sup>) @ .030"(0.8mm) thick

### Applications

Has the consistency of heavy syrup for coating pumps, valves, slurry lines, augers, feed screws, flue gas scrubbers, demineralizing beds, vacuum pumps, salt spreaders, exhaust fans, fertilizer dryers, heat exchangers, impellers and chemical tanks. It is ideal as a final coat for MetalTec 7000.

#### Standard Packaging

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

