

## CARBIDE EPOXY PUTTY

### Novolac Epoxy Repair

#### DESCRIPTION

**Ceramic Carbide Epoxy Putty** is a 100% solids novolac epoxy compound designed to repair and resurface substrates that require protection from abrasive attack. Once applied, this compound will protect a variety of surfaces from aggressive abrasion due to the incorporation of silicon carbide into the polymer matrix. Silicon carbide is second only to diamond in hardness and durability.

#### FEATURES

- Resists chemicals, impact, corrosion and abrasion
- Provides superior adhesion to a variety of substrates particularly all types of metal and concrete
- Suitable applications also include: Coal chutes, storage hoppers, deflector screens, wear plates, centrifuges, flower plates, extrusion fins and mixing bowls.
- Abrasion resistance (taber, 1 kg load) H10 Wheels (Wet) 73 mm<sup>3</sup>, CS17 Wheels (Dry) 21 mm<sup>3</sup>
- Loss per 1000 cycles
- Tensile Shear (ASTM D1002): 3000 PSI
- Compressive Yield (ASTM D695): 10,000 PSI
- Flexural Strength (ASTM D790): 5,800 PSI
- Thixotropic paste that can be used on both horizontal and vertical surfaces

#### HOW-TO

**Surface Preparation:** Surfaces should be clean and dust free before applying Carbide Epoxy Putty. Older surfaces should be cleaned and texturized by mechanical means (sand blasting or scabbling) or acid etching. Starting with a clean, even textured surface is very important.

#### Mixing:

By Weight: 100 Parts A to 24 Parts B (100:23)

By Volume: 2 Parts A to 1 Part B (2:1)

Working Life (pot life) 100 gram mass (approx. 4oz.) = Approx. 50 minutes @ 75°F

**Note:** Temperatures lower than 75° will result in longer cure times, and above 75° will result in shorter cure times.

Product should be combined and mixed in a suitable container using a paint stick or some form of mixing device. Product should be mixed for 1 to 2 minutes to ensure a proper mix.

#### COVERAGE

**3 Gallon Kit:** covers 17-19 sq. ft. at ¼" thick

**1.5 Gallon Kit:** covers 8.5-9.5 sq. ft. at ¼" thick

**Single Pack Kit:** covers 3.4 sq. ft. at ¼" thick

**Single Pack Mini:** covers 0.85 sq. ft. at ¼" thick