

MATERIAL PROPERTIES

WEARPAK 614

Ceramic Wear Compound Kit

For preventing abrasive wear or preparing abraded surfaces



A practical Solution

Wearpak 614 is our high-performance and high temperature ceramic epoxy wearing compound that provides a simple solution for a variety of abrasion-wear problems. It is ideal for coating complex shapes or to hard-to-reach surfaces and is suitable for making repairs on ceramic, steel, plastic, and concrete.

Exclusive Formula

Wearpak 614 is one of several unique bonding processes pioneered by Saint-Gobain. The compound includes a special mixture of ceramic beads and Saint-Gobain proprietary adhesives which bind the particles to each other and the surface being coated. The beads are portioned in various sizes to provide optimum compaction while permitting superior adhesion. Our blend of ceramic particles in a tough epoxy matrix provides outstanding protection in sliding wear situations.

Diverse Applications

Wearpak 614 is ideal for protecting or repairing pumps, pipes, chutes, hoppers, cyclones, feed boxes, screen pans, slurry tanks, pulverized housings, air separators, ash lines, bins, ducts, conveyors, buckets, coal exhausters, and chip cyclones. It also offers exceptional performance when used on industrial fan housings for coal, sand and gravel, pulp and paper, grain, and mineral processing.

Easy to use

Simply mix three parts resin with one part hardener, according to the directions apply at room temperature to a clean surface. No special surface preparation is necessary, however, steel surfaces should be sandblasted for best results. Repaired equipment is ready for use in a matter hours.

Features

- *Abrasion resistant:* Our special mixture of various bead sizes provides more ceramic per cubic inch.
- *Easy to use:* The formula offers convenient two-to-one mix at room temperature.
- *Adhesive:* Our exclusive compound is formulated for strength and for bonding alumina ceramics to concrete, other ceramics, iron, steel, brass, aluminum, and most other metals.
- *Minimum downtime:* Repaired or coated surfaces cure in eight hours at a room temperature of approximately 70°F. Gentle heating speeds curing.
- *Maximum operating temperature:* 400 °F
- *Coverage:* 9-10 ft² @ 1/4" thick

Simple to apply



1. Remove contents and mix in a three parts resin to one part hardener ratio.

2. Spread a thin coat to wet the surface area; then build up to the desired depth.

For more information or to order, contact your Saint-Gobain representative.

Saint-Gobain Part Number 99.0027A

Kit contains resin, hardener, one applicator, and mixing instructions.

We sell solutions

Analyzing a wear problem is a complex process. Our design engineers understand wear problems and specify solutions to suit your operational environment. Material properties, engineering tolerances, attachment methods, and material costs are all considered in a Saint-Gobain Ceramics wear solution.

Applications

- Chutes/Hoppers
- Classifier Cones
- Cyclone Separator
- Elbows
- Fan Housing & Blades
- Lined Piping
- Nozzles
- Wear Panels
- Specialized Material Handling Systems

Markets

- Coal-fired Power Generation
- Abrasive Material Handling
- Chemical Processing
- Food Processing
- Iron/Steel Manufacturing
- Powder/Bulk Solids Conveying
- Pulp & Paper Manufacturing
- Pulverizing & Grinding
- Pharmaceutical Industry
- Environmental Industries
- Cement Industry
- Foundries
- Wire Industry

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