Material Properties

SHINDURAPAK™ 614XS



Ceramic Wear Compound Kit – High Temperature

For preventing abrasive wear or preparing abraded surfaces

A Practical Solution

SHINDURAPAK™ 614XS 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 hard-to reach surfaces and is suitable for making repairs on ceramic, steel, plastic, and concrete.

Exclusive Formula

SHINDURAPAK™ 614XS is one of several unique bonding processes pioneered by SHINAGAWA. The compound includes a special mixture of ceramic beads and SHINAGAWA 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

SHINDURAPAK™ 614XS 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.

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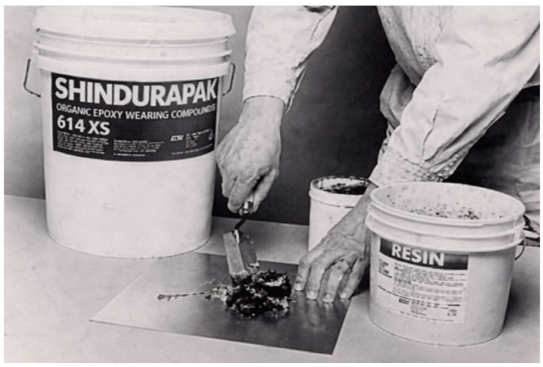
Easy to use

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. The use of sandblasted expanded metal is recommended for large surface areas. Repaired equipment is ready for use in a matter of hours.

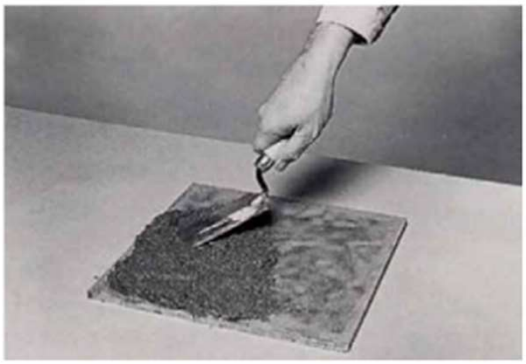
Features

- *Abrasion resistant* : Our special mixture of various bead sizes provides more ceramic per cubic inch.
- *Easy to use* : The formula offers convenient three-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 (21° C). Gentle heating speeds curing.
- *Maximum operating* temperature: 400°F (204.4° C).
- *Coverage* : 9-10 ft^2 @ 1/4" thick (0,8m^2 - 0,9m^2 @ 6,4 mm 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.

We sell solutions

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

Applications

- Chutes/Hoppers
- Classifiers
- Cyclone Separators
- Elbows
- Fan Housing & Blades
- Lined Piping
- Nozzles
- Wear Panels

Markets

- Asphalt
- Coal-Fired Power Generation
- Abrasive Material Handling
- Chemical Processing
- Cement
- Iron/Steel Manufacturing
- Mineral Processing
- Powder/Bulk Solids Conveying
- Pulp & Paper Manufacturing
- Pulverizing & Grinding
- Grain Handling

For more information or to order, contact your SHINAGAWA representative.

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