MATERIAL PROPERTIES

WEARPAK 714

High Temperature Epoxy

A Proven solution

Wearpak 714 is a high temperature epoxy matrix developed specifically for bonding Durafrax® 2000 alumina tiles to many surfaces at higher than ambient temperatures. When affixed with our epoxy adhesive, alumina tile offers a strong, wear resistant protection that can withstand the most extreme erosive environments. Wearpak 714 is easy to use and enables your personnel to make repairs or install tiles on areas exposed to abrasive wear with minimal downtime. This system is specifically intended for higher temperature applications and cures to a hard usable condition at temperatures up to 400 °F.

Exclusive Formula

Wearpak 714 is one of several unique ceramic bonding materials developed and used by SHINAGAWA. It is a result of extensive research and several years of experience in providing structural ceramic solutions for industrial wear problems.

SPECIFICATIONS

	Resin	Hardener	Mixture
Appearance	Soft White Paste	Dark Brown Paste	Dark Brown Paste
Viscosity	Soft Paste	Soft Paste	Soft Paste
Specific Gravity	1.35	1.6	1.50

TYPICAL CURED PROPERTIES

Color	Tan
Hardness (Shore D)	80
Tensile Strength (psi)	3300
Continuous Operating Temperature (°F)	400

PACKAGING

SHINAGAWA Part Number	Kit Size Imperial (Si)	Gross Weight Imperial (Si)	Coverage @ 1/16″ thickness(1.6mm) Imperial (Si)	Full Pallet size # of kits
099.0149	2 Quart (1.9L)	7.25lbs (3.3kg)	7.5 ft^2 (2.79m^2)	48
099.0028	2 Gallon (7.6L)	30lbs (13.6kg)	30 ft^2(0.70m^2)	24
099.0038	10 Gallon (37.9L)	105lbs (65.8kg)	150 ft^2(13.94.7m^2)	12

Diverse Applications

Wearpak 714 and Durafrax® 2000 alumina tile have been used effectively to line pipe, chutes, hoppers, feed boxes, screen pans, slurry tanks, pulverizer housings, air separators, ash lines, flumes, bins, ducts, conveyors, buckets, coal exhausters, and chip cyclones. Our Wearpak combination also offers exceptional performance when used on industrial fan housings for coal, sand and gravel, pulp and paper, grain, and mineral processing.

SHINAGAWA
SPECIALTY CERAMICS

(Continued)

Easy to use

Simply mix equal parts of the resin with the hardener, apply to the surface and to the back of the tile, then affix the tile to the surface. For best results, steel surfaces should be sandblasted to near white metal. Repaired equipment is easy to use in a matter of hours.

Features

- *Abrasion Resistant* : Our Durafrax® 2000 tile, when combined with Wearpak 700 adhesive, provides outstanding protection in sliding wear situations.
- *Easy to use :* The formula offers convenient one-to-one mix at room temperature.
- *Adhesive* : Our exclusive compound is formulated for strength in bonding alumina ceramic to steel and many other surfaces.
- *Minimum Downtime* : The adhesive cures in about eight hours at a room temperature of approximately 70°F. Gentle heating speeds curing.

Simple to apply

1. Remove Contents and mix in a one-to-one ratio

2. Apply from 1/16 inch to 1/8 inch depth (FOR STEEL SURFACE)

3. Apply adhesive to back and sides of tile

4. Affix tile to surface and press firmly in place

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

(2) Quart and (2) Gallon 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 materiel costs are all considered in a Saint-Gobain 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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