Material Properties

ShinDURApak™ 700

A Practical Solution

ShinDURApak™ 700 is an epoxy matrix developed specifically for bonding ShinDURAwear™ alumina tiles to many surfaces. When affixed with our epoxy adhesive, alumina tile offers strong, wear-resistant protection that can withstand the most extreme abrasive environments. ShinDURApak™ 700 is easy to use and enables your personnel to make repairs or install tiles on areas exposed to abrasive wear with a minimum of downtime.

Exclusive Formula

ShinDURApak™ 700 is one of several unique ceramic bonding materials developed as a result of extensive research and several years of testing by experienced professionals to provide the best structural ceramic solution system for industrial wear problems.

SPECIFICATIONS

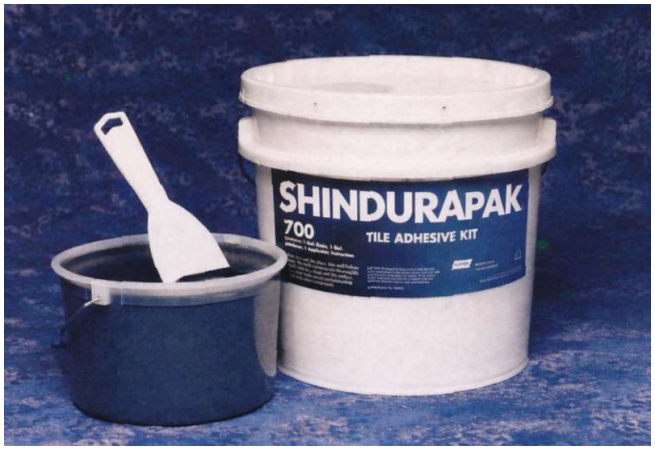
	Resin	Hardener	Mixture
Appearance	Soft White Paste	Black Gel	Soft Gray Paste
Viscosity	Soft Paste	Gel	Soft Paste
Specific Gravity(g/cc^3)	1.35	1.05	1.20

PACKAGING

SSCA PART #	Kit Size Imperial (Si)	Gross Weight Imperial (Si)	Coverage @1/16" thickness(1.6mm) Imperial (Si)	Full Pallet size # of kits
099.0014	1/2 Gallon(1.9L)	5.5 lbs (2.5kg)	7ft^2 (0.65m^2)	48
099.0012	2 Gallon	23 lbs (10.4kg)	30ft^2 (2.79m^2)	24
099.0017	10 Gallon	110 lbs (49.9kg)	150ft^2 (13.94m^2)	12

TYPICAL CURED PROPERTIES

Color	Gray
Hardness (Shore D)	80
Tensile Strength—Psi (kg/cm^2)	4800 (337)
Continuous Operating Temperature ° F -Max(C°)	225-250 (107)
Working Time	45 Minutes
Curing Time (Initial Set)	8 Hours
Curing Time (Maximum Strength)	24 Hours



Diverse Applications

ShinDURApak™ 700 and ShinDURAwear™ 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 cyclones. Our ShinDURApak™ combination also offers exceptional performance when used on industrial fan housings for coal, sand and gravel, pulp and paper, grain, and mineral processing.

(Continued)

All of the above statements, recommendations, suggestions and data concerning the subject material are based on laboratory and field results, and although we believe the same to be reliable, we expressly do not represent, warrant or guarantee the accuracy, completeness or reliability of same, of the material, or the result to be obtained from the use thereof. Nor do we warrant that any such use, either alone or in combination with other materials, shall be free of the rightful claim of any third party by way of **INFRINGEMENT** or the like, and **SHINAGAWA SPECIALTY CERAMICS AMERICAS, LLC DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

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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 ready to use in a matter of hours.

Features

- *Abrasion resistant* : Our SHINDURAWEAR™ tile, when combined with SHINDURAPAK™ 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.

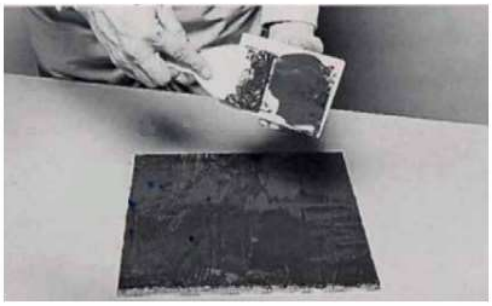
Simple to apply



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

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.
SHINAGAWA Part Number – See front page for part number by kit size
(2) Quart & (2) Gallon kits contain resin, hardener, one applicator, and mixing instructions

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