

MATERIAL PROPERTIES

WEARPAK 714

A practical 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 strong, wear-resistant protection that can withstand the most extreme abrasive environments. Wearpak 714 is easy to use and enable 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 Saint-Gobain. 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

Saint-Gobain Part Number	Kit Size	Gross Weight (for Shipping)	Coverage @ 1/16" thickness
099.0028	2 Gallon	22.0 lbs	30 ft ²

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.

(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 sand-blasted to near white metal. Repaired equipment is easy to use in a matter of hours.

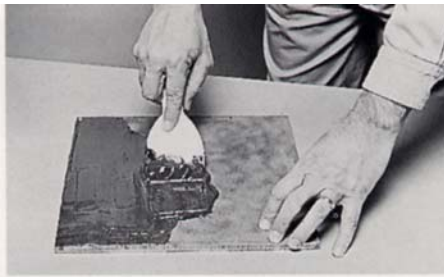
Features

- *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 Saint-Gobain representative.

Saint-Gobain Part Number 99.0028

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

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 **Saint-Gobain Ceramic Materials DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

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 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



SAINT-GOBAIN CERAMIC MATERIALS
4702 Route 982
LATROBE, PA 15650 USA
Phone: (1) 724 539-6000
(1) 800 438-7237
(1) 724 539-6070
Fax: www.wrt.saint-gobain.com
Internet: wrtinfo@saint-gobain.com
e-mail: wrtinfo@saint-gobain.com