

# WEARPAK 700

## Technical Datasheet

### Material Properties

#### A practical solution

Wearpak 700 is an epoxy matrix developed specifically for bonding Durafrax® 2000 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. Wearpak 700 is easy to use and enable your personnel to make repairs or install tiles on areas exposed to abrasive wear with a minimum of downtime.

#### Exclusive Formula

Wearpak 700 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

#### PACKAGING

Color	Gray
Hardness (Shore D)	80
Tensile Strength (psi)	4800
Continuous Operating Temperature (° F)	200
Working Time	45 Minutes
Curing Time (Initial Set)	8 Hours
Curing Time (Maximum Strength)	24 Hours



Saint-Gobain Part Number	Kit Size	Gross Weight (for Shipping)	Coverage @ 1/16" thickness
099.0014	1/2 Gallon	5.5 lbs	7 ft²
099.0012	2 Gallon	22 lbs	30 ft²
099.0017	10 Gallon	110 lbs	150 ft²

Mar-20

	Resin	Hardener	Mixture
Appearance	Soft White Paste	Black Gel	Soft Gray Paste
Viscosity	Soft Paste	Gel	Soft Paste
Specific Gravity	1.35	1.05	1.20

#### TYPICAL CURED PROPERTIES

## Diverse Applications

Wearpak 700 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.

## 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

### Saint-Gobain Ceramics

4702 Route 982, Latrobe, PA 15650 • USA  
P: +1 (724) 539-6000 • F: +1 (724) 539-6070 • [ceramics.refractories@saint-gobain.com](mailto:ceramics.refractories@saint-gobain.com)

[www.ceramicsrefractories.saint-gobain.com](http://www.ceramicsrefractories.saint-gobain.com)

The information contained in this document is believed to be accurate and reliable but is provided without guarantee or warranty on the part of Saint-Gobain Ceramics Structural Ceramics, Inc. Process parameters and requirements can impact typical values and test methods. Further, nothing present herein should be interpreted as an authorization or inducement to practice any patented invention without an appropriate license. Saint-Gobain Ceramics Structural Ceramics, Inc. Terms and Conditions apply to all purchases.  
Copyright © 2019, Saint-Gobain Ceramics Structural Ceramics, Inc. All rights reserved.

### 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

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

Saint -Gobain Part Number 99.0012

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