2300ºF ADHESIVE AND SEALANT PUTTY

Bonds, Seals, Fills and Protects

RESBOND™ 907GF

Resbond 907GF Fireproof Adhesive and Sealant is a moist, creamy putty for use from -300ºF to 2350ºF.

It is easily applied from standard caulking cartridges and air dries in 4- 12 hours at room temperature. (Curing may be accelerated with mild heat).

Resbond 907GF has excellent adhesion to clean steel, stainless, iron, most metals, ceramics, ceramic cloths, tapes, gaskets, tadpoles gaskets, etc.

Resistant to most chemicals, solvents, oxidizing and reducing atmospheres, aging, thermal cycling, and electricity.

Applications Include:

- **Bonds** - Ceramic tapes, metals, ceramics, glass, assemblies instruments, etc.
- **Repairs** - Exhaust systems, diesel engines, gas turbines, heating plant equipment, ceramics, fire bricks, mortar etc.
- **Assembles** - High temperature equipment, brazing fixtures, brazing supports, stacks, etc.
- **Seals** - Exhaust systems, stacks, flues, gaskets, fills surface irregularities, etc.

Users Report:

- Resbond 907GF seals exhaust ducts against corrosive chemicals and high temperatures.
- Resbond 907GF replaces ceramic gaskets and successfully seals pipe joints for use up to 1800ºF.
- Resbond 907GF bonds over lapping layers of stainless steel to form air ducts for furnaces that operate at 1200ºF continuously.

Packaged in convenient dispenser tubes and standard caulking cartridges.

Resbond 907GF is ideal for use in any high temperature Assembly, Production, Repair or Maintenance Application.

Availability:

Cat #	Description	Cost
Resbond 907GF-5	3- 4 oz. Dispenser Tubes	35.70
Resbond 907GF-6	11 oz. Caulking Cartridge	23.50
Resbond 907GF-6CP	Case Pack. 12 - 11 oz. Cartridges	253.80
Resbond 907GF-7	Smooth, Fine Grade, 11 oz.	28.95
Resbond 907GF-1	1 lb. Container (1/2 pint)	46.75
Resbond 907GF-2	3.5 lbs. Container (quart)	89.95

Quantity Prices are Available Upon Request

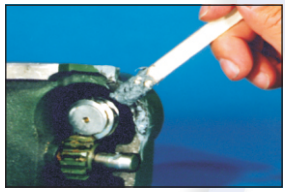
907GF Seals Exhaust Ducts Carrying Corrosive Chemicals

Applying 907GF to a Flange Forming a Hi-Temp. Seal

Physical Properties	907GF
Max Use Temp.	**3000°F**
Continuous Service Temp.	2350°F
Density # / ft^3	65-80
Compressive Strength psi	1500
Elongation %	5
Specific Heat BTU/# °F	0.25
Dielectric Constant @ 10^8 cps	3.0
Volume Resistivity ohm-cm	10^9
Dielectric Strength Volts/mil.	145
Thermal Cond. BTU in/ºF hr. ft^2 @ 500°F	6.0
Shrinkage %	2
Shelf Life (Months)	6

DURABOND™ EPOXY AND CERAMIC PUTTIES

These smooth, creamy putties combine the high temperature performance of Cotronics' specialty formulations with easy to use, dispensing systems. Perfect for on site repairs.
Choose from systems based on: Machinable Aluminum (**500ºF** - RK454 or **1200ºF -** 7025), 316 Stainless Steel (**500ºF** - RK456 or **2000ºF** - 7032), Ceramic **(2300ºF** - 907GF) or Alumina (**3000ºF** - 7020).
Just dispense and apply. These smooth, creamy putties will not run, drip or sag while applying and can be easily cured at room temperature.



Surface Preparation

Surfaces should be free of oil, grease, dirt, corrosives or other contaminants.
Porous materials should be soaked in solvents to remove any soluble contaminants.
For best results, roughen all smooth, metal surfaces with abrasives or grit blast them with a coarse media.

Mixing

For one component systems: re-mix thoroughly before applying.
For two component systems: thoroughly re-mix the components before dispensing. Check label for mix ratios where applicable. Weigh out each component and thoroughly mix to a uniform consistency. The viscosity may be reduced by adding a small amount of thinner (5% by weight maximum) if required.

Application

Putties may be applied using a spatula, putty knife or caulking gun. Multiple layers may be required for cross-sections larger than 1/8" to 1/4" to avoid blistering. Epoxy based systems can be applied in thicker sections without blistering.

Curing

Individual cure cycles are specified on each product label. Below instructions are guidelines for curing. Alternative cure times may be appropriate for high volume production applications and should be tested in the specific application prior to use.
Note: excessive fast drying (or applying high heat when moist) may cause blisters.

For ceramic based systems a typical cure schedule is shown below.

1. Air dry for a minimum of 2 hours at room temperature. Thick cross-sections will require 4-16 hours to cure. Putties should be applied in layers carefully drying material in between coatings.
2. Heat cure at 150-200°F for 2 - 4 hours.
3. Post curing at 400ºF is required for water insolubility.

For epoxy based systems a typical cure schedule is shown below.

1. Cure at room temperature for a minimum of 16 - 24 hours prior to use.
2. Post curing is recommended for optimum proprieties. For room temperature curing systems post cure for a minimum of 2 - 4 hours at 250ºF. For heat curing systems post cure for 2-4 hours at 350ºF.

Storage

Tightly close opened containers after each use to prevent evaporation.
Periodically invert containers to help reduce settling.
Store containers between 40°F and 80°F.

Safety read MSDS carefully before use. Prolonged skin contact may cause irritation. Uncured materials can be washed from the skin with a mild soap and water. If any material contacts eyes, flush continuously with water and consult a physician immediately.