



800 Presque Isle Drive
 Pittsburgh, Pennsylvania 15239-2799
 Tel: 724/327-6100 • 800/359-8433
 Fax: 724-387-3807

www.foamglasinsulation.com

**PC® RTV 450 Silicone Adhesive
 PRODUCT DATA SHEET**

IMPORTANT: MATERIAL SAFETY DATA SHEETS ARE AVAILABLE AND SHOULD BE READ BEFORE USING THIS PRODUCT.

DESCRIPTION:

PC® RTV 450 Silicone Adhesive is a one part, acetoxycure, silicone adhesive/sealant formulated for use at high temperatures. It is particularly suited for use in conjunction with FOAMGLAS® insulation systems that require adhering or sealing the insulation to itself or to hot surfaces. It cures to an elastomeric solid at room temperature.

USES:

- Insulation sealant at anchors and guides in underground steam distribution systems.
- Insulation adhesive and sealant on cyclic temperature equipment, reactor vessels, or chambers.
- Insulation adhesive on hot asphalt containment barges.
- Insulation adhesive on hot tank roofs or sidewalls.
- Other: Sealant for flanged pipe joints, appliance flues, sheet metal stacks and ducts, or similar metal-to-metal or metal-to-gasket applications requiring a high temperature, flexible adhesive/sealant.

***TYPICAL PROPERTIES:**

Temperature Range, °F, (°C):	-50 to 400 -45 to 204)
Intermittent Temperature, °F (°C):	450 (232)
Density, lbs/gal	8.6
Tensile Strength, psi:	350
Durometer Hardness, Shore A:	25
Tear Strength, lb./in.:	30
Elongation (ASTM D412), %:	400
Tack Free, min:	15*
Full Cure, hrs:	24*
Life Expectancy, yrs:	33+
Physical Properties (cured)	Rubber
Color	Aluminum

*Lab conditions, 77°F at 50% RH -typical properties at time of printing, subject to change.

MEETS SPECIFICATIONS:

USDA, MIL-A-46106A (Type II),
 ASTM C920

APPLICATION INSTRUCTIONS:

- Remove dirt, grease or moisture from the surfaces to be adhered or sealed.
- Cut nozzle to 1/4" or desired bead size.
- Use caulking gun to apply adhesive.
- Apply 1/4" bead of silicone adhesive 4" on center to FOAMGLAS® insulation block and press to the substrate using a slight rotary motion. Five 2" diameter daubs of silicone adhesive per insulation block may be used instead of the bead application method.
- Cure time is approximately 24 hours at 77°F (25°C) at 50% relative humidity. The actual cure time will depend on

the degree of air contact. In full air contact, the adhesive forms a tack free skin in 15 minutes

LIMITATIONS:

Not recommended for underwater use.
 Do not use on concrete or mortar.

PACKAGING:

10 fl. oz. cartridges (12/case)

CAUTION:

This material is intended to be used only with FOAMGLAS® insulation and in conformity with Pittsburgh Corning's standard instructions. Be sure you have read and understand all instructions and Material Safety Data Sheets before using. Material Safety Data Sheets should be considered part of this product data sheet.

WARNING:

THIS PRODUCT CONTAINS A MATERIAL THAT HAS BEEN CLASSIFIED AS PROBABLY CARCINOGENIC TO HUMANS BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS GROUP 2A.

IRRITANT:

Uncured product contact irritates the eyes. In case of contact, flush eyes immediately with water and get medical attention. Avoid repeated or prolonged skin contact. Sealant releases acetic acid (vinegar-like odor) during cure.

FIRE HAZARD CLASSIFICATION:

Health: 1 Fire: 1 Reactivity: 0

KEEP OUT OF REACH OF CHILDREN:

The information contained herein is accurate and reliable to the best of our knowledge. But, because Pittsburgh Corning Corporation has no control over installation workmanship, accessory materials or conditions of application, **NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE** as to the performance of an *installation* containing Pittsburgh Corning products. In no event shall Pittsburgh Corning be liable for any damages arising because of product failure, whether incidental, special, consequential or punitive, regardless of the theory of liability upon which any such damages are claimed. Pittsburgh Corning Corporation provides written warranties for many of its products, and such warranties take precedence over the statements contained herein.

FOAMGLAS® and PITTSEAL® are federally registered trademark owned by Pittsburgh Corning Corporation