

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, acetoxy cure, 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.

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+
Shelf Life, months:	12
Physical Properties (cured)	Rubber
Color	Aluminum

*Lab conditions, 77°F at 50% RH

MEETS SPECIFICATIONS:

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

TYPICAL APPLICATIONS:

- 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.

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.

FIRE HAZARD CLASSIFICATION:

- Health: 2 Fire: 0 Reactivity: 0

PACKAGING:

- 10.3 fl. oz cartridge (12/case)

SHIPPING:

- DOT Hazard Class: None

CAUTION:

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.

KEEP OUT OF REACH OF CHILDREN.

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