



## Description and Area of Application

PC® HI-TEMP RTV Silicone Adhesive is a one-part, neutral cure, silicone adhesive formulated for use at high temperatures. It cures to an elastomeric solid at room temperature.

It is particularly suited for use in conjunction with FOAMGLAS® cellular glass insulation systems that require adhering or sealing FOAMGLAS® insulation to FOAMGLAS® insulation or adhering insulation to hot surfaces.

## Type of Delivery and Storage

- 305 ml (10.3 fl. oz) cartridges. Twelve (12) cartridges per carton.
- Store original, unopened containers in a cool, dry area.
- Protect unopened containers from water, heat, and direct sunlight.
- Consult safety data sheet for additional storage and handling information.

## Coverage

Standard application of sealant to FOAMGLAS® insulation:

- 305 ml (10.3 fl. oz) cartridge: 880 cm<sup>2</sup> x 3 mm (136 in<sup>2</sup> x 1/8 in) film.
- 305 ml (10.3 fl. oz) cartridge: Will produce a bead ~ 7.3 m (~ 24 ft) in length and ~ 6.4 mm (~ 1/4 in) in diameter.

## Field Application

Always read and understand information contained within product data sheets and safety data sheets before attempting to use this product. If you have questions regarding fitness of use of this product for a particular application, consult Owens Corning.

## Substrate Preparation

All surfaces should be dry and free of dust, loose scale, oil, grease, and frost.

## Cellular Glass Application Guidelines

Use a caulking gun to apply adhesive.

DO NOT thin. Cut nozzle to 6.4 mm (1/4 in) or desired bead size. Apply 6.4 mm (1/4 in) diameter beads of sealant in parallel every 10 cm (4 in) to insulation and press to the substrate using a slight rotary motion.

5 cm (2 in) diameter daubs of adhesive per insulation block may be used instead of the bead application method.

Joints less than or equal to 3 mm (1/8 in) are desirable. Do not use this or any other sealant to fill large voids from poor-fitting insulation. The mating surfaces of the insulation should be rubbed together to obtain a good fit before application of sealant.

If a coating is to be applied, remove excessive sealant flush with surface.

## Cleanup and Disposal

Allow sealant to cure, and mechanically remove from surfaces.

Discard excess sealant and containers in accordance with local, state, and federal regulations.

## Limitations

- DO NOT use in applications where solvent odor could affect food taste or flavor.
- DO NOT use in areas subject to continuous immersion.

## Typical Properties

PROPERTY <sup>1</sup>	METHOD	SI	ENGLISH
Color		Red	
Density		1.05 +/- 0.02 kg/L	8.8 +/- 0.2 lb/gal
Application Temperature Material Surface		28 +/- 7°C -7 +/- 45°C	82 +/- 12°F 19 +/- 81°F
Service Temperature <sup>2</sup> Maximum, Intermittent Maximum, Continuous Minimum		343°C 260°C -150°C	650°F 500°F -238°F
Tensile Strength	ASTM D412	1.93 +/- 0.21 MPa	280 +/- 30 psi
Elongation at Break	ASTM D412	360%	
Durometer Hardness	ASTM D661 (Shore A)	30	
Cure Time/Rate, Approximate Skin Over Tack Free Rate		12 minutes at 25°C (77°F) @ 50% RH 25 minutes at 25°C (77°F) @ 50% RH 3.2 mm (1/8 in) per 30 hours	
Volatile Organic Content (VOC), Maximum Less Water and Exempt <sup>3</sup>		40 g/L	0.33 lb/gal
Water Vapor Permeability <sup>4</sup>	ASTM E96 (Wet Cup) ASTM E96 (Dry Cup) EN12086:1997	0.25 ng/Pa·s·m 0.20 ng/Pa·s·m 0.22 ng/Pa·s·m	0.17 perm-in 0.14 perm-in 0.15 perm-in

1 Properties are subject to change. Consult Owens Corning.

2 Service temperature limits are derived from laboratory evaluation of the product. Variations in substrates, loading conditions, or other external factors may further limit service temperature. Always consult Pittsburgh Corning, LLC FOAMGLAS® Insulation System Specification for suitability for use recommendations for a specific application.

3 Adhesive is certified to meet the general requirements for VOC emissions of SCAQMD Rule 1168, October 6, 2017 Adhesive and Sealant Applications, as analyzed by the methods specified in Rule 1168.

4 Material tested as cured disk.

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