



**FOAMGLAS<sup>®</sup>**

# **FOAMGLAS<sup>®</sup> CELLULAR GLASS INSULATION SYSTEMS FOR CUI MITIGATION**

# ABOUT OWENS CORNING® FOAMGLAS® INSULATION

FOAMGLAS® cellular glass insulation is a lightweight, rigid material composed of completely sealed cells. This closed-cell structure provides a unique combination of physical properties ideal for piping and equipment below or above ground, indoors or outdoors, at operating temperatures from -450°F to +900°F (-268°C to +482°C).

## FOAMGLAS® Cellular Glass Insulation Properties

- Impermeable to water in both liquid and vapor forms
- Non-corrosive
- Non-combustible and fire-resistant
- Non-absorbent
- Resistant to most industrial reagents
- Dimensionally stable under a variety of temperature and humidity conditions
- Superior compressive strength
- Vermin resistant
- Does not support growth of bacteria or microorganisms

## Benefits and Performance

- Constant, long-term thermal performance helps lower energy demand
- Enhanced process control allows for consistent product quality
- Minimal maintenance or repair of insulation reduces life cycle costs
- Corrosion and fire resistance properties help protect the insulated equipment
- Helps limit potential for auto-ignition from absorbed combustible liquids or fire from condensed, low-temperature gases
- Proven durability for underground and exterior applications

## Technical Services and Training

Our Global Technical Services & Training team can help to optimize your industrial or commercial process performance by supporting you during design, installation, maintenance and follow-up with a periodic assessment of the performance of your insulation systems. Our objective is to give you, accurate and effective technical advice, application guidance and personalized support.

Services include:

- Training and Education
- Energy and Thermal Imaging Surveys
- Insulation Thickness Calculations
- Jobsite Training and Start-Up Support
- Special Testing Services
- Installation Guide Specifications





## FOAMGLAS® SEALED SYSTEM

The FOAMGLAS® Sealed System utilizes the impermeability of cellular glass insulation and our new, proprietary joint sealant to help keep moisture out of the system.

Insulation joints are to be fully-sealed – from the exterior down to the pipe – using PITTSEAL® Hi-Temp LV RTV Sealant. This one-part, neutral cure sealant is formulated for use with FOAMGLAS® Insulation Systems, and does not contribute to corrosion.

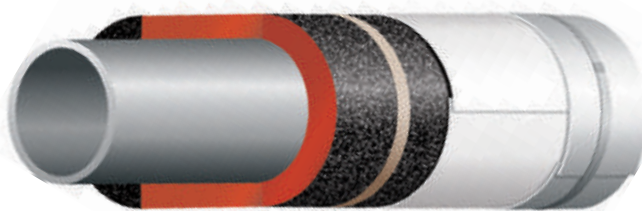
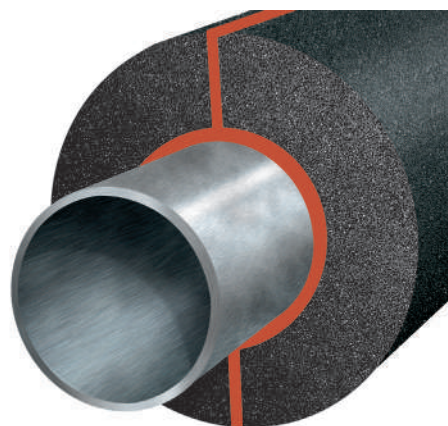
The lower viscosity of the sealant enables efficient spreading and sealing. It cures to an elastomeric solid at room temperature. The sealant has a wide service temperature range from -238°F to 450°F (-150°C to 232°C)<sup>1</sup>.

The system seals the joints and compartmentalizes the insulation system components to help limit the spread of corrosion.

### Where to Specify

Where corrosion under insulation (CUI) is a concern and:

- Below ambient applications with high vapor drive towards the pipe
- Above ambient applications
- Underground or direct buried applications
- Cyclical applications, or where frequent shutdowns may occur



System not intended where continuous immersion is expected.

1. 450°F (232°C) is intermittent maximum service temperature limit. Continuous maximum operating temperature is 400°F (204°C).

## FOAMGLAS® SPACER SYSTEM

The FOAMGLAS® Spacer System utilizes proprietary spacer technology to create a 12mm (1/2 in.) air gap between the insulation and pipe. This can help to minimize the potential for water to remain in contact with the pipe.

If the system is breached, its compartmentalized design helps promote channeling of moisture away from the pipe to points where it can be drained from the system.

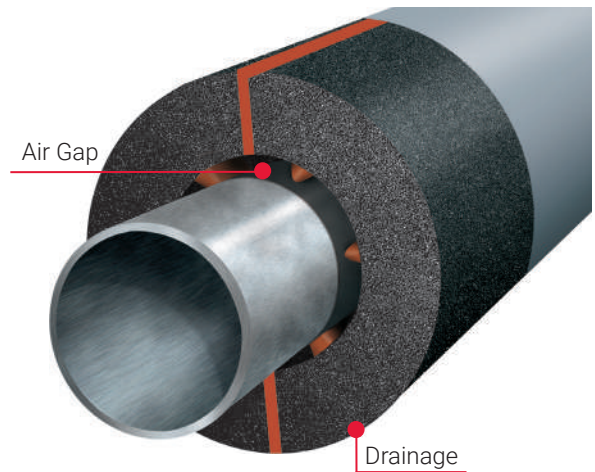
### Where to Specify<sup>1</sup>

Where CUI is a concern and:

- Where water intrusion is probable from secondary sources
- Above ambient and hot systems with continuous or near-continuous operation
- Offshore or marine applications
- Acoustical consideration is needed

### System Features and Benefits

- Available for systems with continuous operating temperatures up to 392°F (200°C).
- Supports heat tracing configurations
- Compartmentalized and draining configurations
- Compatible sealants and adhesives
- Good acoustical properties<sup>2</sup>

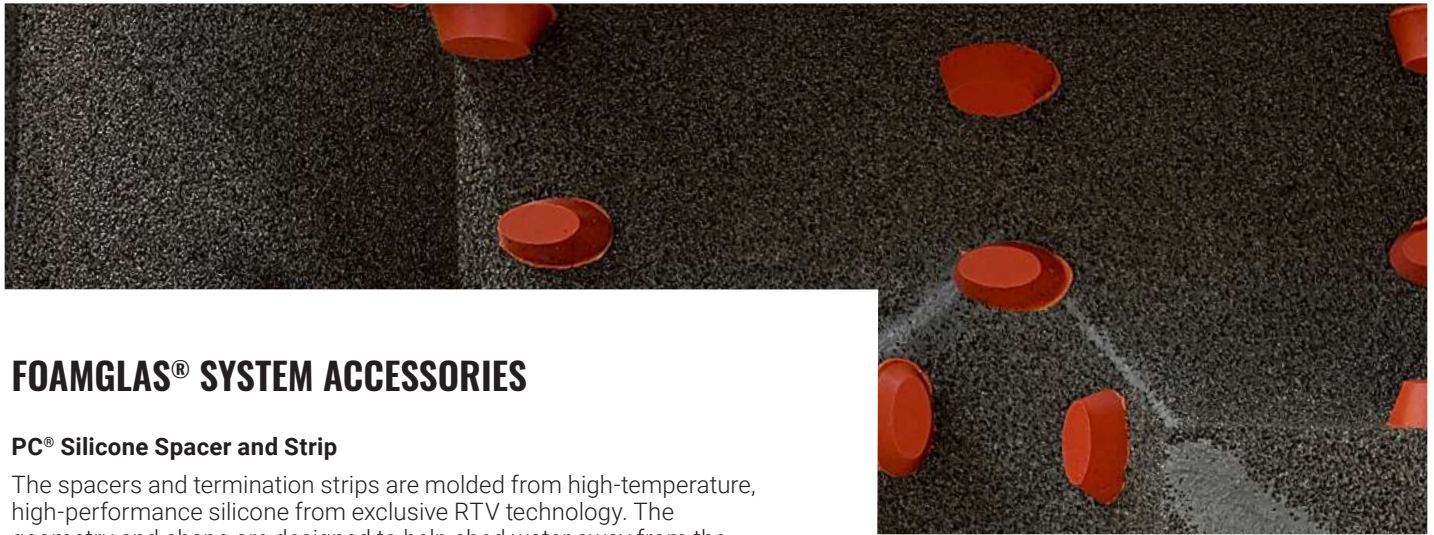


**The system is a prefabricated, one-step solution for contractors.**

1. Not intended for below ambient, cryogenic or cyclical use, direct buried or where continuous immersion is expected

2. Acoustical configurations available to meet ISO 15665 Class A and B





## FOAMGLAS® SYSTEM ACCESSORIES

### PC® Silicone Spacer and Strip

The spacers and termination strips are molded from high-temperature, high-performance silicone from exclusive RTV technology. The geometry and shape are designed to help shed water away from the piping surface.

Termination strips combined with the impermeability of cellular glass insulation allow the system to be compartmentalized every few feet.

### PC® Hi-Temp RTV Adhesive

The spacers and termination strips are secured to the insulation using one-part, neutral cure, high-temperature silicone adhesive. It is formulated for use with FOAMGLAS® Insulation Systems, and provides exceptional adhesion.

### PITTSEAL® Hi-Temp LV RTV Sealant

FOAMGLAS® Spacer System joints are sealed using the same sealant technology as the FOAMGLAS® Sealed System. This one-part, neutral cure, low-viscosity sealant efficiently spreads to help seal FOAMGLAS® insulation.



PRODUCT	PART CODE	PACKAGE QUANTITY	
		SI	ENGLISH
PITTSEAL® Hi-Temp LV RTV Sealant	1026250	12 x 305 ml cartridges	12 x 10.3 oz cartridges
PC® Hi-Temp RTV Adhesive	909140	12 x 305 ml cartridges	12 x 10.3 oz cartridges
PC® Silicone Spacer	1030093	1,000 spacers	
PC® Silicone Strip	1030073	3 x 10 m strips	3 x 32.8 ft. strips

For more information on FOAMGLAS® Insulation System products, contact us or visit [www.foamglas.com](http://www.foamglas.com).





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