



FOAMGLAS®

PITTSEAL® CW SEALANT



Description and Area of Application

PITTSEAL® CW sealant is a high performance, modified silicone (MS) polymer sealant that does not contain isocyanates. It is VOC-compliant, is UV and mildew resistant, is paintable, and has excellent adhesion and durability.

PITTSEAL® CW sealant requires no primer and is compatible with a wide variety of coatings.

Type of Delivery and Storage

- 304 ml (10.3 fl oz) cartridges; 12 cartridges per carton
- 7.6 L (2 gal) pails
- 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 adhesive to FOAMGLAS® insulation:

- 305 ml (10.3 fl oz) cartridge:
946 cm² x 3 mm (146 in² x 1/8 in) film
- 305 ml (10.3 fl oz) cartridge:
Will produce a bead ~ 7.5 m (~ 24.6 ft) in length and
~ 6.4 mm (~ 1/4 inch) in diameter.
- 7.6 L (2 gal) pail: 2.36 m² x 3 mm (25.3 ft² x 1/8 in) film

Field Application

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

Substrate Preparation

All surfaces should be dry and free of dust, loose scale, oil, grease and frost. Blocks or joints should be rubbed to obtain a good fit before application of sealant.

Environmental Considerations

Facilitate application at low temperature by keeping containers in a heated location or loosen lid and warm by indirect heat. DO NOT heat containers with flame or direct heat.

Cellular Glass Application Guidelines

DO NOT thin. Apply with trowel, knife or caulking gun. Apply sufficient material to both surfaces and press surfaces together firmly to obtain a complete seal.

Joints less than or equal to 3 mm (1/8 inch) are desirable. DO NOT use this or any other sealant to fill large voids from poor fitting insulation.

If a coating is to be applied, cut off any squeezed-out the sealant flush with surface.

Cleanup and Disposal

Always dispose of excessive sealant and containers in accordance with local, state and federal regulations.

Limitations

- DO NOT use in areas subject to continuous immersion.

Typical Properties

PROPERTY ¹	TEST METHOD	SI	ENGLISH	
Color		Off-white		
Density		~ 1.66 kg/L	~ 13.9 lb/gal	
Solids Content, Volume		> 95%		
Flash Point		Not applicable		
Application Temperature				
Material		28 ± 7°C	82 ± 12°F	
Surface (Minimum)		-18°C	0°F	
Service Temperature ²				
Maximum, Intermittent		121°C	250°F	
Maximum, Continuous		104°C	220°F	
Minimum		-59°C	-75°F	
Tensile Strength	ASTM D412	225 psi		
Elongation	ASTM D412	475 ± 25%		
Shrinkage		No measurable shrinkage after 14 days		
Cure Time				
Tack-Free	ASTM C679	40 minutes @ 24°C	40 minutes @ 75°F	
Full Cure		40 hours @ 24°C for 3 mm film	40 hours @ 75°F for 1/8 inch film	
Volatile Organic Compound (VOC)	EPA24	< 1 g/L	< 0.008 lb/gal	
Maximum Less Water and Exempt ³				
Water Vapor Permeability ⁴	ASTM E96 (Wet Cup) ASTM E96 (Dry Cup) EN12086:1997	0.16 ng/Pa·s·m 0.15 ng/Pa·s·m 0.11 ng/Pa·s·m	0.11 perm-in 0.10 perm-in 0.08 perm-in	

1 Properties 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 FOAMGLAS® Insulation System Specification for suitability for use recommendations for a specific application.

3 Sealant is certified to meet the general requirements for VOC emissions of LEED IEQc4.1 2009 and SCAQMD Rule 1168, October 6, 2017, Adhesive and Sealant Applications, as analyzed by the methods specified in Rule 1168.

4 Material tested as a cured disk. When tested in a joint, permeability is too small to measure.

For additional information on FOAMGLAS® Insulation Systems, please contact Owens Corning or visit us at www.foamglas.com.

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