

PITTSEAL® CW SEALANT

Product Datasheet

1. Description and Area of Application

PITTSEAL® CW sealant is a high-performance, MS Polymer sealant. It does not contain isocyanates, and it is VOC compliant, UV and mildew resistant, paintable, and has excellent adhesion and durability.

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

2. Field Application

Always read and understand 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 a application, consult Pittsburgh Corning LLC.

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 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.

Clean up and Disposal

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



3. Type of Delivery and Storage

- 305 ml (10.3 fl. oz.) cartridges. 12 10.3 oz. cartridges / 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.

4. Coverage

Standard application of sealant 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 ~ 7.9 m (~ 26 feet) in length and ~ 6.4 mm (~ 1/4 in.) in diameter.
- 7.6 L (2 gal) pail: 2.36 m² x 3 mm (25.3 ft² x 1/8 in.) film.

5. Typical Properties

PROPERTY ^A	METHOD	SI	ENGLISH
COLOR			off - white
DENSITY		~ 1.66 kg / L	~ 13.9 lb / gal
SOLIDS CONTENT, VOLUME			> 95 %
FLASH POINT		Not Applicable	Not Applicable
APPLICATION TEMPERATURE			
MATERIAL		28 ± 7 °C	82 ± 12 °F
SURFACE (MINIMUM)		-18 °C	0 °F
SERVICE TEMPERATURE ^B			
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 (75 °F)	
FULL CURE		40 hours @ 24 °C (75 °F) for 3 mm (1/8 in.) film	
VOLATILE ORGANIC CONTENT (VOC) MAXIMUM LESS WATER AND EXEMPT ^C	EPA24	< 1 g / L	< 0.008 lb / gal

WATER VAPOR PERMEABILITY ^D	ASTM E96 (Wet Cup)	0.16 ng / Pa·s·m	0.11 perm-in
	ASTM E96 (Dry Cup)	0.15 ng / Pa·s·m	0.10 perm-in
	EN12086:1997	0.11 ng / Pa·s·m	0.08 perm-in

^A Properties subject to change. Consult Pittsburgh Corning LLC.

^B 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.

^C Sealant is certified to meet the general requirements for VOC emissions of LEED IEQc4.1 2009 and SCAQMD Rule 1168, July 1, 2005, Adhesive and Sealant Applications, as analyzed by the methods specified in Rule 1168.

^D Material tested as cured disk.

6. Limitations

- DO NOT use in areas subject to continuous immersion.

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