



FOAMGLAS®

PITTCOTE® 300E COATING



Description and Area of Application

PITTCOTE® 300E coating is a liquid-applied moisture-cure vapor retarder coating especially formulated for use with FOAMGLAS® insulation and self-sealing PITTWRAP® jacketings. When cured, PITTCOTE® 300E coating forms an elastomeric layer. It can be used as a protective/vapor retarder coating over FOAMGLAS® insulation under a metal jacket or other UV-resistant finish or as vapor retarder coating in direct-buried applications.

PITTCOTE® 300E coating is applied by brush, trowel, or glove. Spray grade is available by special order.

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 an application, consult Owens Corning®.

Substrate Preparation

All surfaces should be dry and free of dust, loose scale, oil, grease, and frost. PITTCOTE® 300E does not require primer.

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.

Mixing Instructions

This material must be thoroughly mixed prior to use. DO NOT thin.

Cellular Glass Application Guidelines for Above Ground and Underground Systems

Apply a tack coat of 1.2 L/m² (3.0 gal/100 ft²) of PITTCOTE® 300E coating to FOAMGLAS® insulation. Embed PC® 150 mesh into the wet coat, overlapping all fabric joints 10 cm (4 in). Smooth fabric and

stretch to remove wrinkles. Work the mesh into the mastic until the mesh is evenly coated and completely embedded into the mastic. Allow the coating to become firm (roughly one hour).

Apply the second coat after the first coat is firm at a rate of 0.4 L/m² (1.0 gal/100 ft²). Spread the PITTCOTE® 300E coating evenly over the coated surface, making sure the embedded mesh is completely covered with the second coat of PITTCOTE® 300E coating. Note: Apply the second coat within 72 hours of the first coat. As an alternate, PC® Fabric 79 may be used in place of PC® 150 mesh.

Spray grade application can be made using a Graco 833 Big Rig airless pump or equivalent that can deliver 17.2 to 20.7 mPa (2500 to 3000 psi) at the gun with an inlet strainer. The volume of material supplied by the pump should be adequate for the given application. Spray gun should be Graco XTR-7 or equivalent with a 1233 to 1235 tip [0.58 mm (0.023 in.) orifice]. Other combinations of gun and tip can be qualified by the contractor to achieve the desired application properties. Hose must be capable of handling pressures up to 4000 psi or the peak pressure at the output of the pump and have a water lock membrane liner.

Although PITTCOTE® 300E coating has excellent weather resistance, it will degrade over time when exposed to UV light. Owens Corning® recommends that the PITTCOTE® 300E coating be coated with aluminum roof coating or covered with metal or other UV-resistant jacketing.

Cleanup and Disposal

Dispose of excess coating and containers in accordance with local, state, and federal regulations.

Type of Delivery and Storage

- 19 L (5 gal) pails
- 208 L (55 gal) drums
- Store in a heated area to prevent freezing in cold weather.
- DO NOT store at temperatures above 38°C (100°F).
- DO NOT heat container directly with open flame.
- Consult Safety Data Sheet for additional storage and handling information.

Coverage

Standard application of coating to FOAMGLAS® insulation:

- 19 L (5 gal) pail: 11.9 m² (125 ft²)
- 208 L (55 gal) drum: 130 m² (1,375 ft²)
- 1.6 L/m² (4 gal/100 ft²) to achieve a cured coating thickness of 1.7 mm (65 mils)

All figures exclude losses

Typical Properties

PROPERTY ¹		TEST METHOD		SI	ENGLISH
Color				Black	
Density		ASTM D1475		1.26 ± 0.02 kg/L	10.9 ± 0.2 lb/gal
Solids Content, Volume	Spray Grade	ASTM C1250		98%	
	Trowel Grade			95%	
Viscosity	Spray Grade	Brookfield RVF	TB Spindle 2 RPM @ 21.1°C (70°F)	45,000 ± 15,000 cps	
	Trowel Grade		TE Spindle 4 RPM @ 21.1°C (70°F)	275,000 ± 50,000 cps	
Reaction to Fire, Cured				Combustible	
Application Temperature	Material			20 ± 18°C	67.5 ± 32.5°F
	Surface (Minimum)			2°C	45°F
Service Temperature at Coated Surface ²	Maximum			93°C	200°F
	Minimum			-40°C	-40°F
Cure Time ³	Touch			60 ± 20 minutes @ 25°C (77°F), 45 ± 5% RH	
Hardness	Trowel	ASTM D2240 (Shore Scale 00)		57	
	Spray			70	
Water Vapor Permability		ASTM E96 (Water Method)		0.19 ng/Pa·s·m	0.13 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 Owens Corning® FOAMGLAS® Insulation System Specification for suitability for use recommendations for a specific application.

3 Will vary with weather conditions and film thickness.

Limitations

- Contact Owens Corning® for recommendations for use in areas where long-term chemical exposure is expected.
- DO NOT use above ground without a metal jacket or other UV protection.
- DO NOT use over asphalt primers.
- DO NOT use with PITTWRAP® HS jacketing.

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