PITTCOTE® 300 COATING
Product Datasheet

FOAMGLAS®
Pittsburgh Corning

1. Description and Area of Application

PITTCOTE® 300 coating is an asphalt-based vapor barrier coating especially formulated for use with FOAMGLAS® insulation. It can be used as a protective coating over FOAMGLAS® insulation under metal jacket or other UV resistant finish or as vapor barrier coating in direct buried applications.

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

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 particular application, consult Pittsburgh Corning.

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

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 to overcome cold temperatures effects.

Cellular Glass Application Guidelines for Above Ground Systems
Spray or trowel a tack coat of 0.8 to 1.2 L / m² (2 to 3 gal / 100 ft²) of PITTCOTE® 300 coating to FOAMGLAS® insulation. Embed PC® Fabric 79 into the wet coat overlapping all fabric joints by 10 cm (4 in.). Smooth fabric and stretch to remove wrinkles. Apply a second coat after the first coat dries at a rate of 1.6 to 2.0 L / m² (4 to 5 gal / 100 ft²).

Spray application can be made with air or airless equipment such as Graco 45:1 pump with mastic gun no. 451 orifice with reverse-a-clean attachment or equivalent. Lines should be 19 mm (3/4 in.) I.D., and pump should be equipped with a hydraulic ram; delivery pressure at gun should be about 1300 psi.

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

Cellular Glass Application Guidelines for Underground Systems
Flash polyester film from lapping or areas of PITTWRAP® HS jacketing to be coated. When using PITTWRAP® SS jacketing, see jacketing data sheet FI-179A. Trowel or use plastic gloves a tack coat of 0.8 to 1.2 L / m² (2 to 3 gal / 100 ft²) and embed PC® Fabric 79, lapping edges 10 cm (4 in.). Apply a second coat of 0.8 to 1.2 L / m² (2 to 3 gal / 100 ft²) and a second layer of fabric. Apply a top coat of 0.8 to 1.2 L / m² (2 to 3 gal / 100 ft²) so that no fabric is visible when dry. DO NOT backfill until coating is dry.

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

3. Type of Delivery and Storage

- 20 L (24 KG) 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 coating to FOAMGLAS® insulation:

- 20 L pail: 5.8 to 7.6 m^2
- 2.5 to 3.3 L / m^2 (6 to 8 gal / 100 ft^2) to achieve a cured coating thickness of 2.4 to 3.3 mm (95 to 130 mils).

All figures exclude losses.

5. Typical Properties

PROPERTY [A]	METHOD	SI	ENGLISH
COLOR		Black	
DENSITY		~ 1.11 kg / L	~ 9.3 lb / gal
SOLIDS CONTENT, VOLUME (WEIGHT)			
SPRAY GRADE		63.5 ± 2.0 % (52.4 ± 1.7 %)	
TROWEL GRADE		68.0 ± 2.0 % (58.3 ± 1.8 %)	
FLASH POINT [B]	PMCC	≥ 38.8 °C	≥ 102 °F
REACTION TO FIRE, CURED		Combustible	
APPLICATION TEMPERATURE			
MATERIAL		29.5 ± 19.5 °C	85 ± 35 °F
SURFACE (MAXIMUM)		60 °C	140 °F
SURFACE (MINIMUM)		5 °C	40 °F

SERVICE TEMPERATURE [C]			
MAXIMUM		93 °C	200 °F
MINIMUM		-40 °C	-40 °F
CURE TIM [D]			
TOUCH		2 hours @ 25 °C (77 °F)	
FIRM		24 hours @ 25 °C (77 °F)	
THROUGH		14 days @ 25 °C (77 °F)	
SOLVENT		Mineral Spirits	
VOLATILE ORGANIC CONTENT (VOC) MAXIMUM LESS WATER AND EXEMPT		359 ± 30 g / L	3.0 ± 0.25 lbs. / gal
WATER VAPOR PERMEABILITY	ASTM E96 (Wet Cup)	0.00 ng / Pa·s·m	0.00 perm-in

[A] Properties subject to change. Consult Pittsburgh Corning.

[B] Uncured.

[C] 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 FOAMGLAS® Insulation System Specification for suitability for use recommendations for a specific application.

[D] Will vary with weather conditions and film thickness.

6. Limitations

- DO NOT use in applications where solvent odor could affect food taste or flavor.
- Keep containers closed when not in use.
- Store in areas for designed for combustibles.

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