

PITTCOTE[®] 404 COATING

Product Datasheet

1. Description and Area of Application

PITTCOTE[®] 404 coating is a highly flexible, acrylic latex coating specifically designed for use with FOAMGLAS[®] insulation where a superior weather barrier coating is required.

PITTCOTE[®] 404 coating is available in colors and may be applied by glove, trowel, brush, or spray.

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 an application, consult Pittsburgh Corning LLC.

Substrate Preparation

The FOAMGLAS[®] insulation surface should be dry, free of frost, oil and grease. Insulation should be fitted so that the joints are tight and without broken or rounded corners. Any surface variations between blocks should be eliminated by rubbing the insulation smooth. Excess sealant or adhesive should be removed from the insulation surface. Inside corners should be canted and outside corners rounded. Blasting of all adjacent surfaces should be completed and metal primed before insulation is coated.

Environmental Considerations

DO NOT apply if rain or temperatures below minimum application temperatures are expected before coating dries. High humidity environments will increase cure time and may have an adverse effect on cured coating on below ambient systems.

Mixing Instructions

This material must be thoroughly mixed prior to use. Coating may be thinned 5% with clean water.

Cellular Glass Application Guidelines

PITTCOTE[®] 404 coating can be applied by glove, trowel, brush or spray.

Apply tack coat of 1.2 to 1.6 L / m² (3 to 4 gal / 100 ft²). Immediately embed reinforcing fabric PC[®] Fabric 79 (FI-159), lapping fabric a minimum of 7.5 to 10 cm (3 to 4 in.).

After the first coat has dried, apply a second coat of 1.2 to 1.6 L / m² (3 to 4 gal / 100 ft²). Fabric outline will be faintly visible when dry. Inspect and touch up as needed.



Spray application recommendations are a 30:1 ratio or larger pump with a 13 to 19 mm (1/2 to 3/4 in.) diameter high pressure hose. The orifice of the spray tip should be 0.89 to 1.14 mm (0.035 to 0.045 in.) A reversible tip is recommended. Use a squeegee to press coating into surface.

For interior building insulation applications, the reinforcing fabric may be eliminated.

Clean up and Disposal

Clean equipment and spills with water before coating dries.

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

3. Type of Delivery and Storage

- 19 L (5 gal) pails
- 208 L (55 gal) drums
- Store and ship above 0 °C (32 °F), and prevent from freezing in cold weather.
- Consult Safety Data Sheet for additional storage and handling information.

4. Coverage

Standard application of coating to FOAMGLAS® insulation:

- 19 L (5 gal) pail: 5.6 to 7.6 m² (63 to 83 ft²)
- 208 L (55 gal) drum: 63.0 to 83.2 m² (688 to 917 ft²)
- 2.5 to 3.3 L / m² (6 to 8 gal / 100 ft²) to achieve a cured coating thickness of 1.4 to 1.8 mm (55 to 70 mils).
- All figures exclude losses.

5. Typical Properties

PROPERTY ^A	METHOD	SI	ENGLISH
COLOR			White Custom colors available by special order
DENSITY		1.35 ± 0.05 kg / L	11.4 ± 0.15 lb / gal
SOLIDS CONTENT, WEIGHT			67 %
ELONGATION	ASTM D412		≥ 200 %
FLAME RESISTANCE, CURED			Combustible
APPLICATION TEMPERATURE			
MATERIAL (MINIMUM)		4 °C	40 °F
SURFACE (MINIMUM)		4 °C	40 °F
SERVICE TEMPERATURE @ COATED SURFACE ^B			
MAXIMUM, INTERMITTENT		104 °C	220 °F
MAXIMUM		82 °C	180 °F
MINIMUM		-34 °C	-30 °F

CURE TIME ^c			
TOUCH		3 hours @ 25 °C (77 °F), 50% RH	
THROUGH		24 hours @ 25 °C (77 °F), 50% RH	
SOLVENT		Water	
WATER VAPOR PERMEABILITY	ASTM E96 (Wet Cup)	0.58 ng / Pa·s·m	0.4 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 Will vary with weather conditions and film thickness.

6. Limitations

- DO NOT use where water will pond.

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