

DESCRIPTION

Operating Temperature : 850°F (454°C)

APPLICATION INFORMATION

1. Precipitator Spin-Glas may be used up to 850°F (454°C) with a maximum thickness of 6" (152 mm). Double-layer construction with staggered joints is recommended when equipment expansion is such that gaps begin to open between insulation sections (usually 400–600°F [204–316°C]).

950°F (510°C) intermittent temperature exposure is acceptable for periods less than one hour as long as the product has been stabilized at 850°F (454°C) for at least 24 hours.

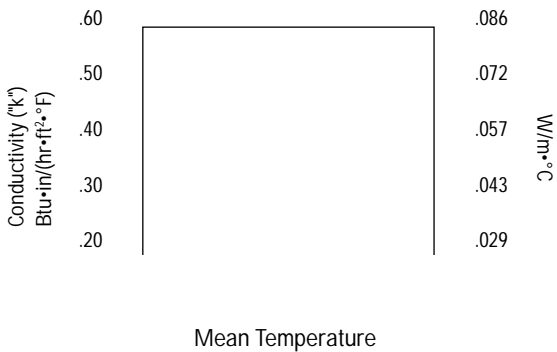
2. Initial Heat-Up

During initial heat-up to operating temperatures above 350°F (177°C) an acrid odor and some smoke may be given off as the organic binders used in the Spin-Glas insulation begin to decompose. When this occurs, caution should be exercised to ventilate the area well.

For applications above 650°F (343°C), Precipitator Spin-Glas must be allowed to stabilize at 650°F (343°C) for at least two hours prior to heating up to 850°F (454°C). This applies only to the first heat-up.

DECLARATION

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REGULATORY COMPLIANCE (GENERAL REQUIREMENTS ACCOMPANYING CHARACTERISTICS)

| | |
|--|--------------------------------|
| Government | ASTM |
| HH-I-558C, Form B, Type I, Class 8 up to 850°F (454°C) | C 612, Type II |
| CAN/51-GP-10M | C 795** |
| MIL-I-24244C** | E 84 Flame Spread – 25 or less |
| NRC 1.36** | Smoke Developed – 50 or less |
| | E 136 (noncombustible) |

**When ordering material to comply with these specifications a statement of that fact must appear on the purchase order. Specific lot testing will be conducted and a certification of compliance can be provided.

NOISE REDUCTION COEFFICIENT (AMC423) (PERFORMANCE)

| Thickness (in) | (mm) | Frequency (Hz) | | | | | | |
|-------------------|------|----------------|------|------|------|------|------|------|
| | | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC* |
| 1.0 | 25 | 0.08 | 0.32 | 0.68 | 0.95 | 1.06 | 1.04 | 0.75 |
| 2.0 | 51 | 0.20 | 0.85 | 1.11 | 1.11 | 1.07 | 1.07 | 1.05 |
| 3.0 | 76 | 0.52 | 1.23 | 1.16 | 1.09 | 1.07 | 1.10 | 1.15 |
| 4.0 | 102 | 0.80 | 1.23 | 1.10 | 1.09 | 1.08 | 1.08 | 1.10 |

*Noise Reduction Coefficients: The average of the coefficients at 250, 500, 1000 and 2000 Hz expressed to the nearest integral multiple of 0.05.

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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of Precipitator Spin-Glas® listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

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