



**Johns Manville**

Performance Materials

## Exact-O-Kote® HVAC Equipment Liner

**Exact-O-Kote Equipment Liner** is a black flexible fiber glass insulation with a durable black acrylic coating. The coating is formulated with an immobilized EPA registered, anti-microbial agent to protect the coating from microbial growth. Exact-O-Kote Rx passed ASTM C 1338, G 21, and G 22 as required in ASTM C 1071.

**Applications.** Based on its design and physical characteristics, Exact-O-Kote is recommended specifically for use as a thermal and acoustical control liner in air conditioning, heating, and ventilating equipment.

Although Exact-O-Kote was developed as a liner for HVAC equipment, it is also suited for other equipment applications requiring effective thermal and acoustical control, microbial growth resistance, low air friction, damage resistance, and an attractive appearance

**Available Forms.** Exact-O-Kote liner is available in various densities and thicknesses, lengths, and widths, as specified on the reverse side. It is furnished with a black fiber glass core and black acrylic coating.

**Custom Fabrication.** In addition to the available standard dimensions, a Johns Manville Approved Fabricator can provide specially-cut pieces and shapes by special order to meet your particular requirements.



### Applications:

- *Air Conditioners*
- *Furnaces*
- *Other HVAC Equipment*

### Insulation Properties:

- *Excellent Air-Erosion Resistance*
- *High Thermal Performance*
- *Excellent Acoustical Performance*
- *Ease of Handling*
- *Ease of Fabrication*

# Exact-O-Kote®

## HVAC Equipment Liner

### Specifications

#### ■ Temperature Limit:

250° F (121° C)

#### ■ Fire Hazard Classification:

25/50 (per ASTM E 84 and UL 723 and CAN/ULC S102-M88).

Labels supplied when requested on order.

Meets NFPA 90A and 90B.

#### ■ Maximum Air Velocity:

5,000 fpm (1,500 mpm). Exact-O-Kote is tested at two and one-half times (12,500 fpm) (3,800 mpm) the maximum recommended service velocity. It meets the requirements of UL 181.

#### ■ ASTM C 1071:

Exact-O-Kote has been tested and conforms to the physical properties and requirements of ASTM C 1071.

#### ■ Fabricated Products:

Johns Manville Exact-O-Kote is manufactured to specific customer width requirements. Contact your Johns Manville sales representative for limitations. Die-cut or fabricated pieces are generally supplied by strategically-located Johns Manville fabricators that are specially equipped to provide prompt service to manufacturers in their area.

#### ■ For Information

Write Johns Manville Product Information Center, P.O. Box 5108, Denver, Colorado 80217-5108, or call toll-free 1-800-654-3103 (outside Colorado); (303) 978-4900 (inside Colorado).

#### ■ Limited Warranty

All Johns Manville products are sold subject to Johns Manville's Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy, write to:

Johns Manville Product Information Center

P.O. Box 5108

Denver, CO 80217-5108

or call toll free: 1-800-654-3103 or contact your local Johns Manville sales representative.

### Standard Thicknesses and Densities

Density		Thicknesses		Roll Width	
pcf	g/cc	inches	mm	inches	mm
2.0	125	1/2	13	20 - 96	508 - 2438
1.5	94	1	25	20 - 96	508 - 2438
1.3	81	2	51	20 - 96	508 - 2438

Minimum width of a single roll is 20" (508mm). Standard Roll Length is 100' + 2' - 0 (30 m + .6m - 0) (all thicknesses). The exception is 1.3 lb density, 2" (51mm) thick, 50' + 1" - 0 (15 m + .3m - 0).

### Thermal Conductivity (k)

Density		Mean Temp @ 75° F (23° C)	
pcf	g/cc	(Btu • in. / (hr. • ft <sup>2</sup> • °F)	W/mK
2.0	125	0.24	.035
1.5	94	0.25	.036
1.3	81	0.26	.037

### Acoustical Performance

Type "A" Mounting Sound Absorption Coefficients\*

Density		Thicknesses		Frequency (Hz)						
pcf	g/cc	inches	mm	125	250	500	1000	2000	4000	NRC**
2.0	125	1/2	13	0.04	0.18	0.43	0.69	0.89	1.02	0.55
1.5	94	1	25	0.09	0.29	0.67	0.89	1.03	0.99	0.70
1.3	81	2	51	0.23	0.73	1.05	1.13	1.06	1.07	1.00

\* Tested in accordance with ASTM C 423-84a and ASTM E 795-83

\*\* Noise Reduction Coefficient



### Johns Manville Performance Materials

P.O. Box 5108

Denver, CO 80217-5108

Internet: www.jm.com

The physical and chemical properties of Johns Manville Exact-O-Kote represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with your Johns Manville representative to obtain current information.