

DESCRIPTION

DuraCore® insulation is a lightweight, highly resilient product made from borosilicate glass fibers. The insulation blanket is fiberglass bonded with a thermosetting phenolic resin and is designed to provide excellent core strength.

DuraCore is a product of choice for HVAC equipment due to its high acoustical values in the high and low frequency ranges normally encountered in these applications.

DuraCore is manufactured with consistent fiber and binder distribution to produce a stronger insulation with enhanced core strength that makes it stiffer and less susceptible to delamination.

The glass fibers in DuraCore are noncombustible, non-hygroscopic, and do not support fungi or vermin.

DuraCore meets typical industry standards for tensile and core strength, which makes the product more resistant to damage during lamination and installation. Because of its resiliency and flexibility, DuraCore resists settling, breakdown, sagging from vibration, and damage from impact. The blanket conforms easily around corners and curved surfaces and is readily cut in die presses or with a knife.

STANDARD THICKNESSES & DENSITIES

Density	Thickness			Width
	1/2"	3/4"	1"	
1.8 pcf (28.8 kg/m³)	1/2"	3/4"	1"	24" - 72"
2.0 pcf (32.0 kg/m³)	1/2"	3/4"	1"	

CUSTOM FABRICATION

The Johns Manville nationwide network of Approved Fabricators specializes in secondary processing to supply custom parts to meet specific customer requirements. Die-cutting, laminating, special packaging and just-in-time delivery are just a few of the multiple capabilities our fabricators can provide.



SPECIFICATIONS

Temperature Limit	350°F (177°C)
ASTM C1071, Type I, Rolls	Meets Requirements with the exception of air erosion resistance
Fire Hazard Classification ASTM E84, UL 723, and CAN/ ULC S102, Meets NFPA 90A and 90B	25 Flame Spread 50 Smoke Developed

APPLICATIONS

- Fan Coils
- Furnaces
- Air Conditioners
- Air Handlers

ADVANTAGES

- Good Core Strength
- Low Dust



THERMAL CONDUCTIVITY (K) PER ASTM C518

Mean Temp. @ 75°F (24°C)

Btu•in/(hr•ft ² •°F)	W/m ² •°C
0.24	0.035

ACOUSTICAL PERFORMANCE

Type "A" Mounting Sound Absorption Coefficients*

Thickness		Frequency (Hz)						
in	mm	125	250	500	1000	2000	4000	NRC**
½	13	0.03	0.11	0.33	0.56	0.72	0.85	0.40
¾	19	0.06	0.16	0.42	0.68	0.83	0.95	0.50
1	25	0.05	0.24	0.59	0.82	0.94	1.05	0.65

*Tested in accordance with ASTM C423.

**Noise reduction coefficient.

Note: Values above are for both 1.8 pcf and 2.0 pcf blankets.



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**PRODUCT & TECHNICAL
INFORMATION**

800-654-3103

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 DuraCore 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.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit www2.jm.com/terms-conditions or call (800) 654-3103.