

Decrabrite™ XG™
Thermal and Acoustical Insulation

Description

Decrabrite XG is a white-colored, translucent, Formaldehyde-free™, lightweight, 0.55 pcf (8.8 kg/m³) fiber glass blanket designed for use as a thermal and acoustical blanket. Its white coloring and light weight make it ideal for use in applications requiring semi-transparency for light diffusion.

Uses

As a result of its semi-transparency, Decrabrite XG is specifically designed for skylights, light diffusing and architectural panels, and other applications that require a formaldehyde-free product.

Thermal Conductivity (ASTM C 518)

Mean Temperature	°F	75
	°C	24
Btu•in/(hr•ft ² •°F)		0.30
W/m•°C		0.043

Surface Burning Characteristics

Decrabrite XG meets the Surface Burning Characteristics of the following standards:

- Standard/Test Method
- ASTM E 84
- UL 723
- CAN/ULC S102-M88

Maximum Flame Spread Index	25
Maximum Smoke Developed Index	50

UL labels supplied on packages when requested on order.

Operating Temperature Limit: 350°F (177°C)

Standard Thicknesses and Packaging*

Thickness	Roll Length		Roll Widths for All Thicknesses
	in	mm	
½	13	300	91.4
¾	19	200	61.0
1	25	150	45.7
1½	29	150	45.7

12" - 72" in ½" increments
 (305 mm - 1829 mm in 13 mm increments) **and** combination of widths must equal between 48" - 72" (1219 mm - 1829 mm)

** Note: Standard packaging is in poly bags. All other packaging options are available on an SPPI basis.*

Sound Absorption Coefficients (ASTM C 423) (Type "A" Mounting)

Thickness		Frequency (Hz)						
in	mm	125	250	500	1000	2000	4000	NRC*
½	13	0.06	0.16	0.32	0.47	0.57	0.69	0.40
1½	29	0.14	0.38	0.63	0.80	0.83	0.90	0.65

*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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EI-301 4-09 (New)

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Technical Information

(800) 458-7198

The physical and chemical properties of Decrabrite™ XG™ 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. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by this or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you to assure current information. **All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions including Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions, Limited Warranty and Limitation of Remedy, and information on other Johns Manville thermal insulations and systems, call (800) 654-3103.**

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