

## DESCRIPTION

### Decrabrite™ XG

Decrabrite™ XG is a translucent white Formaldehyde-free™, lightweight, 0.50 pcf (8.0 kg/m<sup>3</sup>) and 0.55 pcf (8.8 kg/m<sup>3</sup>), 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.

### Decrabrite™ XG WR

Decrabrite™ XG WR is an extension of the Decrabrite™ XG product line where moisture control is needed. It contains an additive to provide water repellency in applications where moisture condensation may occur. Decrabrite™ XG WR contains all the other attributes of Decrabrite XG and is available in 0.50 pcf (8.0 kg/m<sup>3</sup>).

## USES

As a result of their semi-transparency, Decrabrite™ XG and Decrabrite™ XG WR are specifically designed for skylights, light-diffusing architectural panels and other applications that require a Formaldehyde-free™ product.

## STANDARD THICKNESSES AND PACKAGING\*

Thickness		Roll Length		Roll Widths for All Thicknesses
in	mm	lineal ft	lineal m	
½	13	300	91.4	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)
¾	19	200	61.0	
1	25	150	45.7	
1 ⅛	29	150	45.7	

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



## SPECIFICATIONS

Temperature Limit	350°F (177°C)
Fire Hazard Classification ASTM E84, UL 723, and CAN/ ULC S102	25 Flame Spread 50 Smoke Developed

## APPLICATIONS

- Skylights
- Light-diffusing architectural panels

## DECRABRITE™ XG AND DECRABRITE™ XG WR

FORMALDEHYDE-FREE™ THERMAL AND ACOUSTICAL INSULATION

## DATA SHEET

### THERMAL CONDUCTIVITY (ASTM C518)

Density		75°F (24°C) Mean Temperature	
pcf	kg/m <sup>3</sup>	Btu•in/(hr•ft <sup>2</sup> •°F)	W/m•°K
0.50	8.0	0.31	0.044
0.55	8.8	0.30	0.043

### ACOUSTICAL PERFORMANCE

Type "A" Mounting Sound Absorption Coefficients\*

Density		Thickness		Frequency (Hz)						
pcf	kg/m <sup>3</sup>	in	mm	125	250	500	1000	2000	4000	NRC**
0.55	8.81	½	13	0.06	0.16	0.32	0.47	0.57	0.69	0.40
0.55	8.81	¾	19	0.10	0.25	0.45	0.61	0.73	0.83	0.50
0.55	8.81	1⅛	29	0.14	0.38	0.63	0.80	0.83	0.90	0.65

\*Tested in accordance with ASTM C423, Type "A" mounting per ASTM E795.

\*\*Noise Reduction Coefficient.



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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 Decrabrite™ XG and Decrabrite™ XGWR 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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