

ROOFLITE MB



**CO-EX**  
CORPORATION

**Rooflite<sup>®</sup> MB**

**CORRUGATED  
POLYCARBONATE  
SKYLIGHT &  
SIDELIGHT  
PANELS FOR  
METAL BUILDINGS**

- **Lightweight, durable and virtually unbreakable.**
- **Available in clear, opal and athermic (heat reflective) finishes.**
- **In stock for fast shipping, custom cut to size, no minimums.**

**LIGHTWEIGHT** – At just 1/8 the weight of glass, Rooflite MB® sheet does not require the extensive structural support that a heavier glass wall or skylight needs. Lightweight sheet is easy to handle and install.

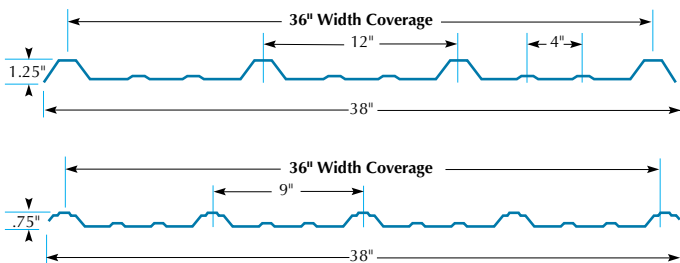
**VIRTUALLY UNBREAKABLE** – Able to withstand extreme abuse, the strong Rooflite MB® corrugated sheet has an impact resistance 20 times stronger than fiberglass and over 120 times stronger than glass.

Resisting hail, wind-borne objects and vandalism, Rooflite MB® can withstand over 235 lbs./in. of impact within a temperature range of -40°F to 240°F as measured by ASTM D 3029.

**EASY TO INSTALL** – Rooflite MB® corrugated sheet has been specifically designed for simple and rapid installation. It easily adapts to any wall or roof with a bending radius of over 13'.

**LOW FLAMMABILITY** – Rooflite MB® corrugated sheet meets the requirements of approved light transmitting plastic under the Uniform Building Code as recognized by ICBO, BOCA and SBCC.

**LIGHT TRANSMISSION** – Clear Rooflite MB® corrugated sheet transmits visible light - up to 91% (as measured by ASTM standards and demonstrated in the chart below, bottom right).



### TECHNICAL DATA

STRUCTURE TYPE	RoofliteMB® 12" Panel	RoofliteMB® 9" Panel
Overall Width	38"	38"
Overall Length	up to 39'	up to 39'
Net Coverage	36"	36"
Thickness	.03"/.080mm	.03"/.080mm
Light Transmission ASTM-D1003 (%)	Clear	91%
	Opal	52%
	Athermic	35%
Coefficient of Thermal Expansion (in/in/°F)	$3.6 \times 10^{-5} / 0^{\circ}\text{F}$	$3.6 \times 10^{-5} / 0^{\circ}\text{F}$
U.V. Transmission	0	0
Min. Bending Radius (Ft./1 Inch)	13'	13'
U Factor (BTU/hr. - ft. <sup>2</sup> F)	Summer: 1.04	Summer: 1.04
	Winter: 1.14	Winter: 1.14

**REDUCED U.V. TRANSMISSION** – Rooflite MB® is able to reduce the opaque to ultraviolet light at wavelengths below 385 nanometers. This U.V. protection will help to prevent fading and discoloration of interior decor and/or products.

Rooflite MB® corrugated sheet is manufactured using state of the art co-extrusion technology combining color, U.V. resistance and durability. Remaining clear for many years, Rooflite MB® is backed by a ten year, non-prorated warranty against yellowing.

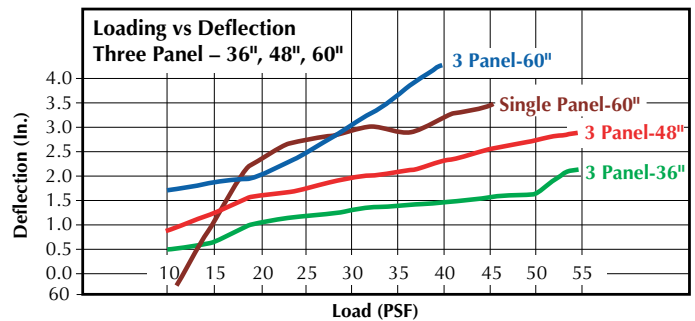
**TEMPERATURE PERFORMANCE** – Rooflite MB® is designed for normal use in temperatures from -40°F to 240°F making it appropriate for use in all climates.

**WARRANTY** – Optical transparency (light transmission) deterioration shall not exceed 6% in 10 years per ASTM 1925-77. Yellowness index shall change no greater than 10 delta from originally measured quality in 10 years per ASTM D 1003-77. Rooflite MB® shall not break as a result of hail in accord with EUPA 36876. Hail at 20mm (3/4") with an impact of 21m. per sec. in 3 years from date of purchase.

### UNIFORM LOAD

*NOTE: The charts shown below are provided as a guideline only. Information was from tests using Rooflite MB polycarbonate panels as roofing and siding. For specific recommendations, consult CO-EX Corporation.*

#### THREE-PANEL & SINGLE PANEL



#### LIGHT TRANSMISSION SPECTRUM OF THE CLEAR SHEET

