



Super Strong and Lightweight

SUNLITE® X-Lite

Advanced Structure Multi-Wall Polycarbonate sheets



Glazing



Construction



DIY

Introduction

SUNLITE X-Lite delivers improved loading capacity and increased stiffness to the SUNLITE product line. SUNLITE X-Lite's reduced weight and bigger spans between supporting rafters result in significant cost reduction of the overall roofing structure. SUNLITE X-Lite is uniquely designed to suit both the construction and DIY markets.



Features & Benefits

- Lightweight with no compromises
- Better strength than 3, 4, and 5 wall
- Improved mechanical properties
- Better resistance to local compression
- Increased distance between supports
- Considerable impact resistance
- Considerable light transmission
- Weather and UV resistant properties retained for years
- High energy-saving thermal insulation
- Easy to handle and install
- 10 Year limited warranty

Applications

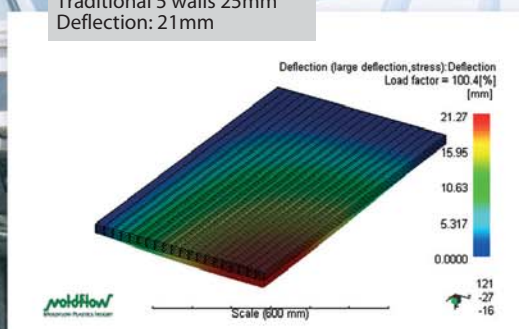
- Conservatories
- Canopies
- Skylights
- Architectural glazing
- Covered walkways
- Swimming pool covers
- Do It Yourself (DIY)



Comparative Load Simulation

Deflection at 150 kg/m² evenly spread load
Sheets clamped at four sides (quarter of each represented)

Traditional 5 walls 25mm
Deflection: 21mm



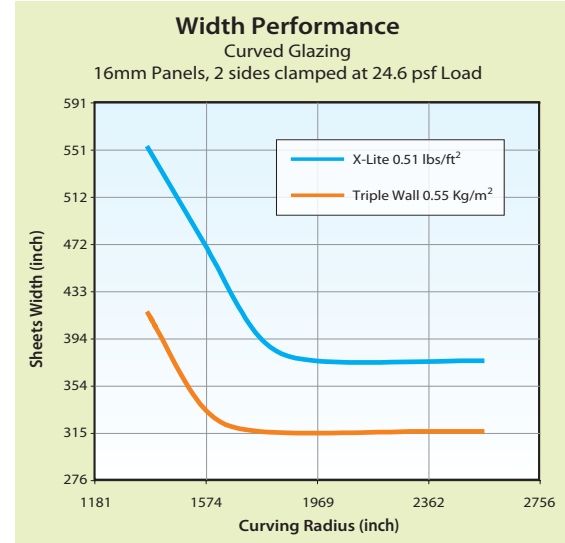
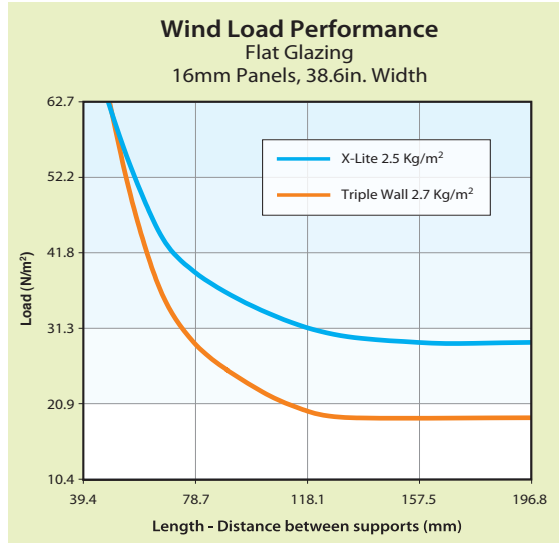
SUNLITE X-Lite 25mm
Deflection: 7mm



► Product Range & Typical Properties

		Units	10 mm	16 mm	25 mm	32 mm	35 mm
Area weight		kg/m ²	1.9	2.5	3.4	3.7	3.9
Sheets width		m	0.98 - 1.05 - 1.20 - 1.25 - 1.60 - 1.80 - 2.10				
Sheet length*			6 - 7 meters				
LT = Light Transmission ST = Solar Transmission	Clear	%LT	60	60	60	58	57
		%ST	63	56	56	55	55
	Bronze	%LT	25	25	25	20	20
		%ST	33	30	38	32	32
	Opal WD	%LT	20	38	20	20	20
		%ST	30	42	35	35	35
	ML (Bronze/Opal)	%LT	-	20	10	15	15
		%ST	-	25	13	19	19
	ML (Solar Ice/Clear)	%LT	-	-	-	10	10
		%ST	-	-	-	13	13
Min. cold-bending radius (Bending parallel with ribs)		m	2	3	5	6.4	7.0
Heat transfer coefficient Ug		W/m ² ·°K	2.6	2.1	1.7	1.6	1.5
Short term service temperature range		°F	23° to 248°				
Long term service temperature range		°F	23° to 212°				
Coefficient of linear thermal expansion		mil/ft.°F	0.43				
Practical thermal expansion / contraction range		mil/ft.	36				
Sound reduction value		dB	19	19	22	23	23
2-sides UV protection			Optional				
Fire resistance rating			BS 476/7 (Class 1) DIN 4102 (B-1) EN13501-1:2002 (B-s2,d0) NSP 92501 (M-1,M-2) ASTM E-84 (Class A)**				

*Other sizes are available upon request **For additional information please consult your SUNLITE distributor



Inasmuch as Palram Americas has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Palram Americas patent covering such use or as recommendations for use of such materials in the infringement of any patent. Palram Americas or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local Palram Americas supplier to ensure that you have obtained the most up to date information.



PALRAM AMERICAS, INC.

9735 Commerce Circle, Kutztown, PA 19530
Phone: (800) 999-9459 ► Fax: (610) 285-9928
sales.americas@palram.com



Authorized Dealer

www.palramamericas.com