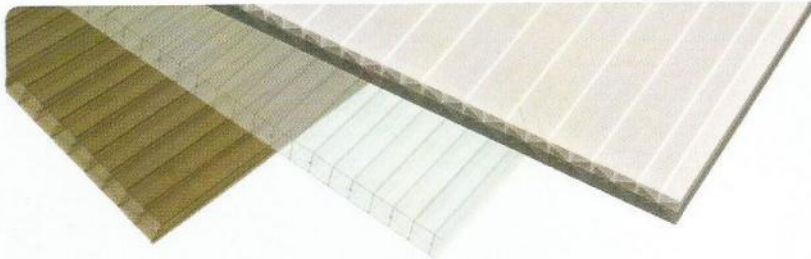


SUNLITE®

MULTIWALL POLYCARBONATE SHEET



Overview

SUNLITE's cellular polycarbonate structure yields a lightweight sheet with high impact strength and superior thermal insulation. High light transmission makes SUNLITE ideal for varied roofing, wall cladding, and glazing applications.

SUNLITE has a wide product range: from anti-condensation treatment for greenhouses and garden centers to SolarSmart™ sheets that create cool climatic conditions.

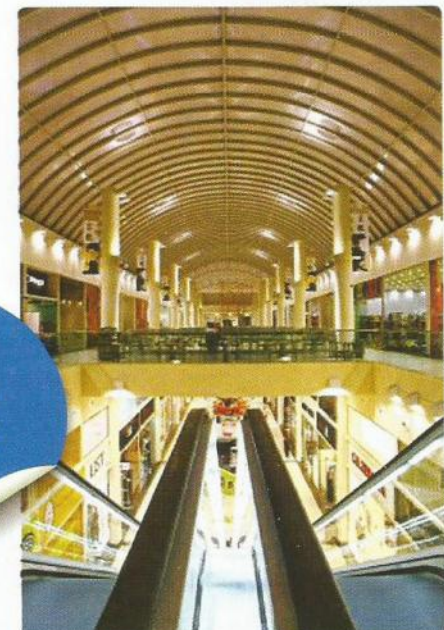
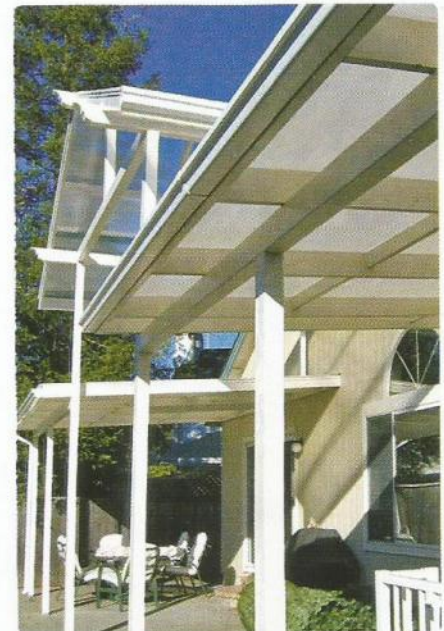
Interior designers and advertisers take advantage of SUNLITE's special appearance and add a unique touch to their designs.

Main Benefits

- High thermal insulation
- Lightweight and impact resistant
- High light transmission
- Excellent structural durability
- Weather and UV resistance
- Blocks virtually all UV radiation
- Easy to handle and install
- High fire performance rating

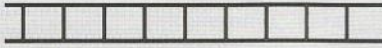
Typical Applications

- Architectural roofing and glazing
- Skylights and sidelights
- Conservatories
- Covered walkways
- Displays, signage and decorations
- Industrial roofing and glazing
- Residential roofing and glazing
- Covered swimming pools
- Agricultural greenhouses



Profiles

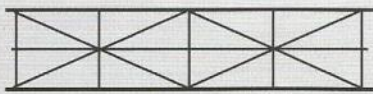
Twin Wall



Triple wall



X- Lite



VS



Length:

11.8m

Thickness:

4-40mm

Standard:

Clear, Solar Grey, Bronze, Red,
Blue, Green

Translucent:

Blue, Green

Multi-Layered:

Bronze/Opal, Solar Guard
(Solar-control/Opal)



Flammability

SUNTUF has a low flammability rating and does not emit toxic gases when burning.

Standard	*Classification
BS 476/7	Class 1
ASTM D-635	CC-1 (SUNLITE® FR)
EN 13501	B, s1, d0
ASTM E-84	Class A

Typical Physical Properties

Property	*Method	Conditions	Units	Value
Density		D-792	g/cm ³	1.2
Heat deflection temperature (H.D.T)	D-648	Load: 1.82 MPa	°C	135
Service Temperature - Short term			°C	-20 to +50
Service Temperature - Long term			°C	-50 to +100
Coefficient of linear thermal expansion	D-696		cm/cm°C	6.5x10 ⁻⁵
Tensile strength at yield	D-638	10 mm/min	MPa	62
Elongation at break	D-638	10 mm/min	%	>90
Impact falling dart	ISO 6603/1		J	40-400
Practical thermal expansion/contraction			mm/m	3

* ASTM method except where noted otherwise

Product Range

SUNLITE® / UV protected on one side
 SUNLITE® UV2 / UV protected on both sides
 SUNLITE® Plus / With anti-condensation
 SUNLITE® Solar Control / Metallic reflective
 SUNLITE® CL / Pearlescent reflective
 SUNLITE® SLT / Translucent reflective
 SUNLITE® Smart / Transparent reflective