



EVONIK
INDUSTRIES

ACRYLITE® for Greenhouses

As the world leader in acrylic technology and with more than 40 years experience in the greenhouse construction industry, ACRYLITE® acrylic multi-skin sheet has consistently outperformed other glazing products in commercial, institutional, research and retail greenhouse facilities throughout the world. Leading growers around the world choose German-made ACRYLITE® for its exceptional clarity, high light transmission, strength, durability and energy savings features – product qualities that deliver consistently from initial installation over decades of service life.

Commercial greenhouse growers know that controlling and optimizing growing conditions is crucial to the success of their business. The unique properties of ACRYLITE® acrylic multi-skin sheet delivers performance advantages that are far superior to other glazing products, providing both immediate and long-term crop performance and economic results. Backed by the industry's leading light transmission warranty, no yellowing and hail warranties, ACRYLITE® is the premier choice in greenhouse coverings.

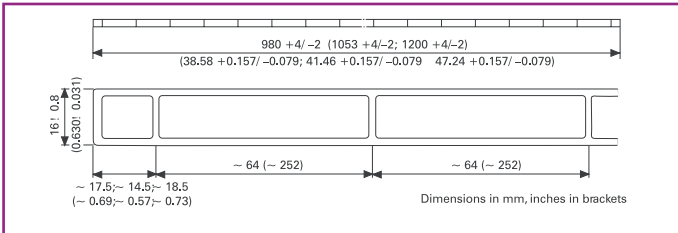
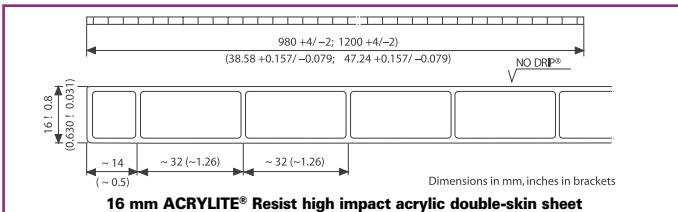
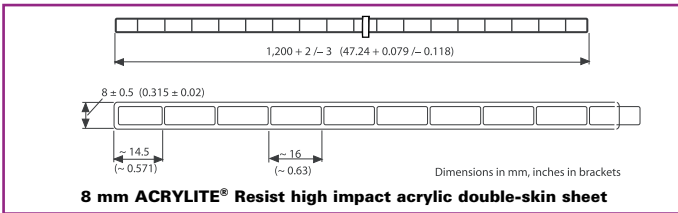
ACRYLITE® Alltop betters plant growth response and is driven by high light transmission. The option for ACRYLITE® Alltop in UV absorbing or UV transmitting is available as well. The UV transmission allows increases in the strength and yield of certain crops.

ACRYLITE® Heatstop high impact acrylic sheet is an IR-(infrared) reflecting, heat-insulating and highly weather resistant double-skin sheet made of high impact acrylic (polymethyl methacrylate, PMMA). The Heatstop component is uniformly distributed throughout the entire sheet. Solar energy is reduced up to 75%



ACRYLITE® Selection Chart ACRYLITE® acrylic multi-skin sheet

	ACRYLITE® Resist		ACRYLITE® Alltop		
	8 mm ACRYLITE® Resist high impact acrylic double-skin sheet	16 mm ACRYLITE® Resist high impact acrylic double-skin sheet	16 mm ACRYLITE® Alltop high impact acrylic double-skin sheet	16 mm ACRYLITE® Alltop UV transmitting acrylic double-skin sheet	16 mm ACRYLITE® Alltop UV absorbing acrylic double-skin sheet
Light Transmittance (clear)	84%	86%	89%	91%	91%
Light Transmittance (Other Colors)	light white - 62%	light white - 74% bronze - 53% solar cool white - 37%	N/A	N/A	N/A
UV Blocking	yes	yes	yes	no	no
Patented No Drip	yes	yes	yes	yes	yes
Anti-Algae	no	yes	no	no	no
Energy Values					
R-Value	1.78°F/ BTU·hr·ft²	2.04°F/ BTU·hr·ft²	2.04°F/ BTU·hr·ft²	2.04°F/ BTU·hr·ft²	2.04°F/ BTU·hr·ft²
U-Value	3.4 W/m²K (0.56 BTU/hr·ft²·°F)	2.5 W/m²K (0.49 BTU/hr·ft²·°F)	2.5 W/m²K (0.49 BTU/hr·ft²·°F)	2.5 W/m²K (0.49 BTU/hr·ft²·°F)	2.5 W/m²K (0.49 BTU/hr·ft²·°F)
New Product Warranty					
Light Transmission Warranty (clear)	yes	yes	yes	yes	yes
No Yellowing Warranty	yes	yes	yes	yes	yes
Hail Warranty	yes	yes	yes	yes	yes
Geometry					
Thickness	8 mm (/ ")	16 mm (/ ")	16 mm (/ ")	16 mm (/ ")	16 mm (/ ")
Rib Spacing	16 mm (/ ")	32 mm (1 1/2 ")	64 mm (2 1/2 ")	64 mm (2 1/2 ")	64 mm (2 1/2 ")
Width	1200 mm (47 1/2 ")	1200 mm (47 1/2 ")	1200 mm (47 1/2 ")	1200 mm (47 1/2 ")	1200 mm (47 1/2 ")
Length	up to 10973 mm (36 ft)	up to 10973 mm (36 ft)	up to 8550 mm (28 ft)	up to 8550 mm (28 ft)	up to 8550 mm (28 ft)
Approximate Area Weight	3.3 Kgm² (0.7 lb/ft²)	4.5 Kgm² (0.9 lb/ft²)	4.9 Kgm² (1 lb/ft²)	4.9 Kgm² (1 lb/ft²)	4.9 Kgm² (1 lb/ft²)
Flammability					
ASTM D-835 (Rate of Burn)	C2/CC2	C2/CC2	C2/CC2	C2/CC2	C2/CC2
CAN/ULC-S102.2 (Flame Spread Classification)	< 150	< 150	< 150	< 150	< 150
DIN 4102 (Combustibility)	B2	B2	B2	B2	B2
ASTM D-1929 (Self Ignition Temperature)	830°F	830°F	830°F	840°F	840°F
ASTM D-2843 (Smoke Density Rating)	8.1%	7.0%	7.0%	2.0%	2.0%



Warranties

Non-prorated, full replacement 30 year non-yellowing, 10 year light transmission and 10 year hail warranties.

Standard packaging:

- 8 mm stock skid = 50 sheets for 16' and less
- 8 mm stock skid = 30 sheets for greater than 16'
- 16 mm stock skid = 50 sheets for 16' and less
- 16 mm stock skid = 30 sheets for greater than 16'

Custom non-standard packaging:

Minimum of 20 sheets per custom non-standard package. Inquire about orders of less than 20 sheets.

Repacking charge

26-17930 | \$ 300.00
Package charge for all custom orders less than 20 sheets
NOTE: All special order cut to length panels are not returnable.

All ACRYLITE products have custom cut lengths, up to 28'

Thickness	Rib Spacing	Panel Width	Color	Product Number	Catalog Number
ACRYLITE Resist high impact acrylic double-skin sheet					
8 mm	16 mm	47 1/4"	Clear	ORS72	26-17350
8 mm	16 mm	47 1/4"	Clear UVT	ORS08	26-17340
16 mm	32 mm	47 1/4"	Clear	ORS06*	26-17360
16 mm	32 mm	47 1/4"	Clear, diffused	ORS07	26-17370
16 mm	32 mm	47 1/4"	Solar, Cool White	WRS17	26-17400
16 mm	32 mm	47 1/4"	Light White	WRS09	26-17420
ACRYLITE Heatstop high impact double-skin sheet					
8 mm	16 mm	47 1/4"	Heatstop Cool Blue	WZ011	26-17430
16 mm	32 mm	47 1/4"	Heatstop Cool Blue	WZ011	26-17440
ACRYLITE Alltop high impact acrylic double-skin sheet					
16 mm	64 mm	47 1/4"	Clear UVT	ORS01	26-17700
16 mm	64 mm	47 1/4"	Clear	ORS15	26-17720



SHIPPED FOB:
Sanford, Maine