

DANPAL[®]

OUTDOOR LIVING SOLUTIONS

PROVIDING COMFORTABLE AMBIENT DAYLIGHT



Architect: Statkas Architecture | Photographer: Matthew Mallett



Flexible design options



Excellent warranty protection



Complete UV protection



Excellent resistance to hail



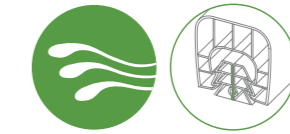
Fully waterproof connection system



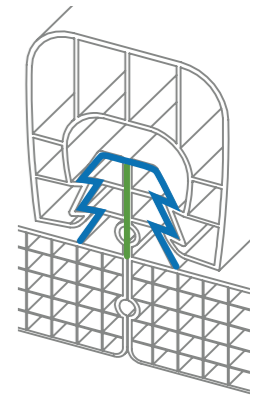
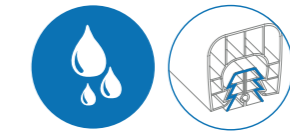
A Worldwide Patent

The unique standing seam connection system of the Danpalon panel is strong and water-tight, yet also flexible enough to allow for free thermal expansion and contraction of the roof. The aluminium can be concealed above the roof or placed below the roof to support fans or electrical lighting.

Withstands strong winds



100% water-tight



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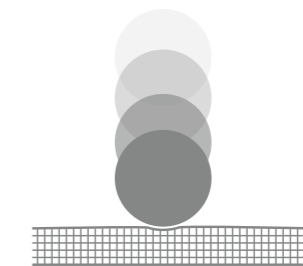
BE PROTECTED WHILE ENJOYING THE OUTDOORS

Premium quality translucent Danpalon panels provide comfortably filtered light while protecting against excess heat and blocking 99.9% of harmful UV radiation. There is a wide range of shapes and colours available to provide almost any visual effect you can imagine.

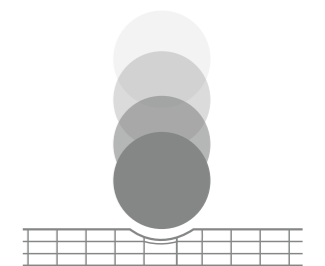


Light Diffusion. Strength. Flexibility.

The density of the Danpalon panels make them stronger against hailstones and other small objects. It also provides for better thermal insulation and a greater diffusion of light.



Danpalon®
microcell structure



Open cell
panels





STRONG AND ATTRACTIVE

Danpalon panels are proven to withstand the harsh South African climate, offering superior strength and unrivalled manufacturing quality. They also offer a unique elegant appearance.



DANPALON PANEL ADVANTAGES

- 100% waterproof
- Free thermal movement
- Easy installation
- High impact resistance
- Excellent thermal insulation
- Quality diffused daylight
- Cold bending of panels on site
- Reduced substructure
- Environmentally friendly product

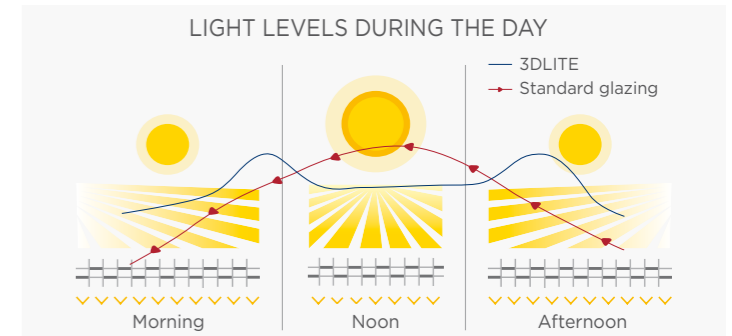


3D LITE ADVANTAGES

- Unique 3 dimensional appearance
- Captures low angle sun but blocks overhead sun
- Offers the visual effect of louvres in a completely waterproof solution

3DLITE SHADING SOLUTION

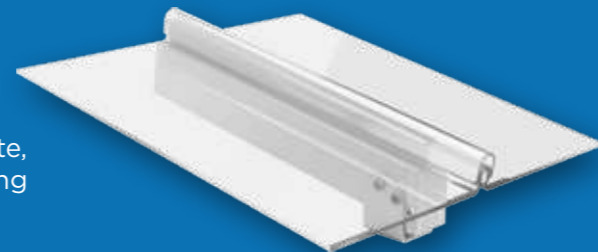
A unique panel with a combination of clear and opaque internal Louvres.





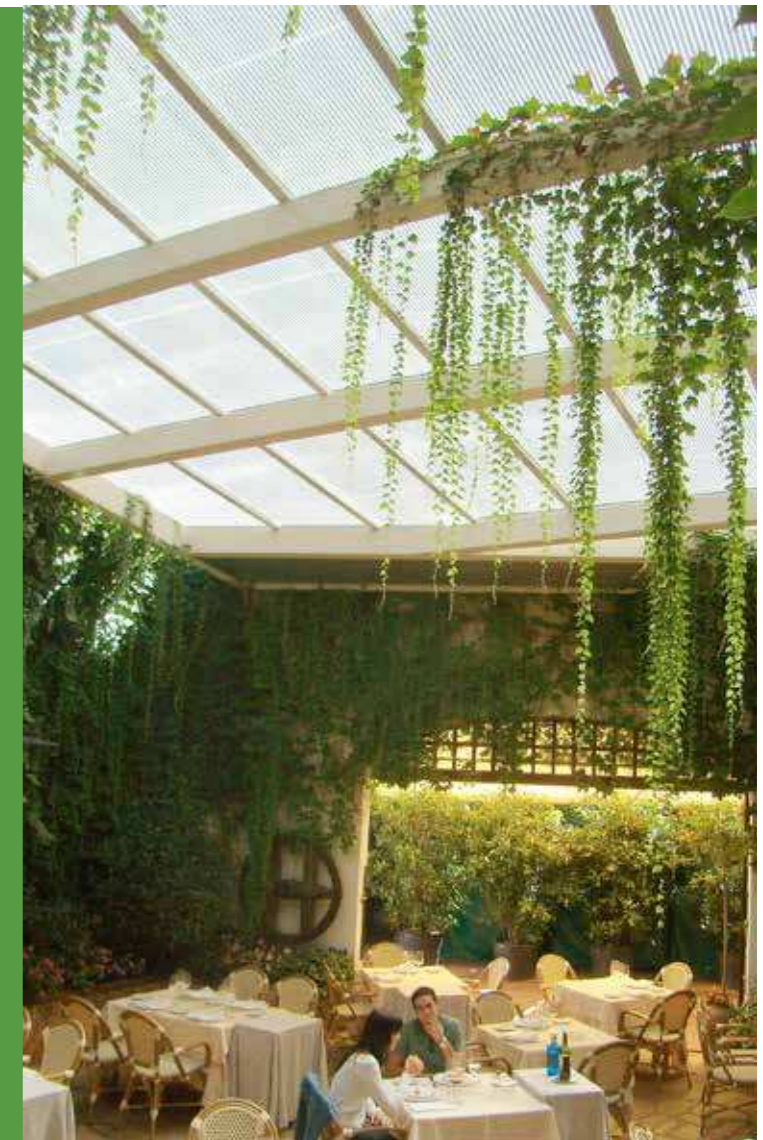
DANPAL® COMPACT

Danpalon panels are proven to withstand the harsh climate, offering superior strength and unrivalled manufacturing quality. They also offer a unique elegant appearance.



CONTROLITE INTELLIGENT DAYLIGHTING SYSTEM

- Transmits uniformly diffused light
- Creates a comfortable indoor environment
- Up to 93% of solar heat gain can be blocked
- Reduced rain noise
- Higher thermal insulation
- Free thermal expansion
- Mechanisms are easy to access and maintain



COMPACT ADVANTAGES

- Pure transparency
- Lightweight
- Waterproof
- Easy installation
- Impact resistance
- Long panels available, curvable on site

PERGOLA AS A DESIGN ELEMENT

Danpal understands the importance of the pergola as a visual element, which is often located in a prominent position, that affects the overall look and feel of the building. A Pergola is not only a functional structure but should also provide an aesthetically appealing design. The Danpalon standing seam panels come in a variety of colours and finishes, all of which allow for the control of both heat and light penetration.

OPTICAL AND THERMAL PROPERTIES FOR STANDARD COLOURS

	STANDARD		COMPACT 4MM	MULTICELL/ HONEYCOMB 8/10/12MM	MULTICELL 16/22MM	MULTICELL 35MM
	Clear CR57	LT%	86	67	57	on request
		ST%	79	62	53	
		SR%	11	29	36	
		SHGC	0.81	0.64	0.55	
	Ice IC51	LT%	55	58	47	42
		ST%	58	57	46	42
		SR%	20	30	35	38
		SHGC	0.62	0.60	0.50	0.46
	Reflective Gray RG20	LT%	19	20	18	on request
		ST%	16	16	19	
		SR%	24	31	31	
		SHGC	0.28	0.27	0.29	
	Opal OP22	LT%	34	35	21	on request
		ST%	42	41	28	
		SR%	31	39	45	
		SHGC	0.47	0.45	0.34	
	Green VE44	LT%	69	51	44	on request
		ST%	67	52	44	
		SR%	11	23	28	
		SHGC	0.71	0.57	0.5	
	Blue BL49	LT%	62	50	49	on request
		ST%	72	57	51	
		SR%	11	27	33	
		SHGC	0.76	0.60	0.54	
	Bronze BR35	LT%	37	25	29	on request
		ST%	41	27	31	
		SR%	8	16	21	
		SHGC	0.51	0.38	0.41	
	Grey GR31	LT%	41	28	31	on request
		ST%	51	36	36	
		SR%	9	19	28	
		SHGC	0.59	0.45	0.43	

WE CALL IT LIGHT ARCHITECTURE

Danpal has been manufacturing and distributing architectural products around the world for 50 years. Danpal has provided a vast range of well-insulated daylighting solutions used in pergolas for more than 20 years. Our pre-engineered structural systems feature powder coated aluminium framework and premium quality translucent panels in a wide variety of colours and finishes.

