

# DANPAL<sup>®</sup> COMPACT

Total Transparency with  
High Impact Resistance



OUTDOOR



FACADE



SKYLIGHTS

**Danpal<sup>®</sup>**  
Light Architecture





# PERFECT CLARITY WITH HIGH IMPACT RESISTANCE



DANPAL® COMPACT BRINGS  
TRANSPARENCY WITHOUT LIMITS,  
BRILLIANT LIGHT TRANSMISSION  
WITH FLEXIBILITY OF  
INSTALLATION AND CURVABILITY

## Glass-like appearance

Enjoy the appearance of glass together with all the advantages of polycarbonate.

Danpal® Compact is a 4mm thick solid panel that provides a 'glass-like' appearance, together with strength, insulating qualities, flexibility, curving ability, low weight and UV protection.

## Freedom to design spectacular glazed areas of unlimited size and shape

The Danpalon® standing-seam connection system allows architects complete freedom to design spectacular glazed areas of unlimited size and shape. The entire assembly uses no caulking or adhesives, eliminating the difficulties of sealant and adhesive bond failure common to traditional systems.



# EXPAND YOUR CREATIVITY WITH CURVABILITY AND GLASS-LIKE TRANSPARENCY

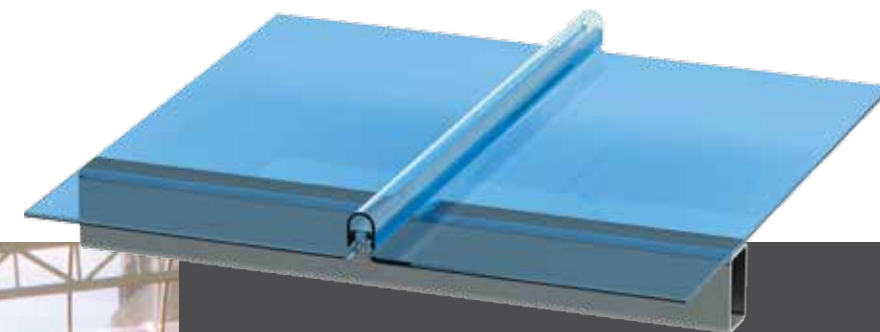
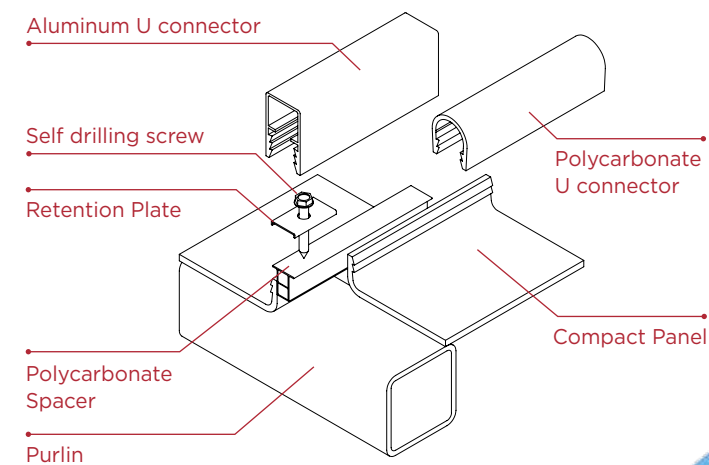


Office Building, Spain | Danpal® Compact | Architect: Pich Aguilera

## WHAT MAKES DANPAL® COMPACT UNIQUE IS THE STANDING SEAM CONNECTION METHOD AT THE HEART OF THE SYSTEM

### The Danpal® Compact system consists of:

- Main transparent 4mm compact panels, 592mm wide, extruded with a vertical standing seam at both sides of the panel.
- A snap-on connector (aluminium or transparent polycarbonate) interlocking the panels.
- A transparent polycarbonate spacer profile. Its installed module width is 600mm. The system is free floating. Every component is free to thermally expand or contract at its own rate, maintaining the structural properties for the life of the material.



### SYSTEM BENEFITS

- Pure transparency
- Lightweight
- Long panels, curvable on site
- Waterproof
- Easy installation
- Impact resistance
- SOCOTEC (EN accredited) certified system



Shopping Center, Colombia | Danpal® Compact



Residential, Danpal® Compact, Sydney Australia



THE FREEDOM TO BRING YOUR VISION TO LIFE - IN ANY SIZE, ANGLE OR COLOUR

Aluminium or polycarbonate connectors offer architects a high degree of freedom in terms of exterior building design. Up to 12.0m long panels are supplied and are available as straight panels, cold bent, or thermoformed to form tight curves. Danpal® Compact is available in all colour ranges – easily adapting to all creative transparency ideas.



Playground, Spain | Danpal® Compact | Architect: Kepa Sacristan



Zankoeta School, Spain  
Danpal® Compact  
Architect: José Montajes Mentxaka

Sangji School Bus Stop, Korea  
Danpal® Compact  
Architect: Sehwa

College Entre - Deux-velles, France  
Danpal® Compact  
Architect: Entreprise Moyse

DISCOVER OUR RICH COLOUR PALETTE

Danpal® offers a rainbow of colours. From the purity of crystal to warm hues and vibrant red, customers have the freedom to choose the colour and light transmission quality, creating any type of atmosphere.



SPAN CHART - ROOF INSTALLATION

Connector Type	Span (mm)	SLOPED		CURVED (with a 3000mm radius)
		Down Load Kg/m2	Up Load Kg/m2	Down Load Kg/m2
Polycarbonate	700	120	120	130
	900	90	90	130
	1100	N/A	N/A	130
	1300	N/A	N/A	110
	1500	N/A	N/A	100
Aluminium Connector	1000	100	75	
	1500	90	60	
	2000	75	40	

- Safety factor 3
- Max deflection <2% and not more than 50 mm

TECHNICAL FEATURES

	COMPACT
Structure	Compact (SOLID)
Thickness (mm)	4
Module (mm)	600
Length*	Standard up to 12 m
Fire resistance (2)	B-s1, d0
Ug (W/m².K) (according to Th - U rules)	5.2
Slope (connector installed to the external)	Roofing : 5° (or 9%) (4) / Shed 30° (or 58%)
Minimum radius for cold curving (m)	3.2
Non - fragility	Roofing: 1200 J - Class B
Stability in seismic zone	On request
Digital printing	Can be applied under specific conditions Please contact us for further details
ISO certifications	Manufacturer certified ISO 9001 & ISO 14001
Warranty	10 years manufacturer warranty

- \* Can be longer upon request
- Euroclass following SBI (Single Burning Item) tests protocol established according to EN 13501-1

## COLOUR YOUR ATMOSPHERE WITH THE DANPAL® PALETTE



## ABOUT THE COMPANY

### Innovative light architecture systems for building envelopes

Danpal® are creators of exceptional light-transmitting architectural systems for building envelopes, providing optimal solar and thermal comfort.

For over 30 years, our innovative systems have helped architects to transform light (both natural and artificial) into a powerful and versatile tool, for architectural creations that are internally and externally radiant.

An industry visionary, Danpal® are originators of the Danpalon® translucent panel standing seam system - a light architecture solution used around the world in commercial, education, transport, health, sports and high-tech projects.

Today, the company offers complete systems - providing total solutions for the building envelope. Danpal® designs, manufactures and distributes an unmatched range of daylighting systems for all types of building requirements - from facades, cladding, roofs, skylights, shading, to interior and outdoor applications.

Danpal® systems are built around innovative technologies, deep architectural know-how and the ever evolving needs of our clients. Operating in five continents, Danpal® inspires architectural creativity with its rainbow of light architecture solutions.

### Danpal® Compact is an integral part of Danpal's range of systems - giving you a complete solution



FACADES



CLADDING



SKYLIGHTS



OUTDOOR



SHADING



INTERIOR