



DANPAL[®] COMPACT

Total Transparency with
High Impact Resistance



ROOFING

Danpal[®]
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.



Polycarbonate connector



Aluminium spacer



Freespan bar



SYSTEM BENEFITS

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



Luminaire Apartments
Bowden SA.
Architect: Tectvs
Builder: Catcorp
Contractor: Klek Pty Ltd.

Residential, Danpal® Compact, Melbourne

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 or cold bent on site . 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 clear 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)
Polycarbonate	900
Aluminium spacer	1600
Freespan bar	4800

Design load 1 kPa (ultimate) 0.7 kPa (serviceable).
Deflection criteria span / 50. Consult Danpal® for any other situations.

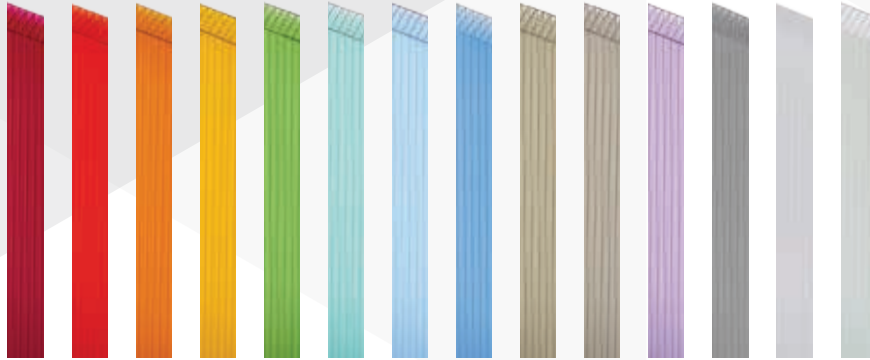
TECHNICAL FEATURES

	COMPACT
Structure	Compact (SOLID)
Thickness (mm)	4
Module (mm)	600
Length*	Standard up to 12 m
Fire resistance	AS3837 Group 3
U value (W/m²K)	5.2
Slope (for skillion roofs)	5 degrees
Minimum radius for cold curving	2.9m**
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

* Can be longer upon request

** Tighter curves can be achieved using heat forming or other special fabrication procedures. Contact Danpal® for more information.

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



ROOFING



SKYLIGHTS



SHADING



INTERIOR