



DANPALON®

■ FACADE ■ CLADDING ■ ROOFING ■ CANOPY ■ INTERIOR



THE LIGHT ENVELOPE

OUR SOLUTIONS IN THE SERVICE OF BOLD AND BRIGHT ARCHITECTURE

Danpalon® offers innovative and flexible solutions for the building envelope, which ensure the comfort of natural light and high-quality thermal performance.



Danpalon®, the first connectable polycarbonate system, has taken the architectural world by storm due to its outstanding technical and aesthetic features.

The translucent system, which has constantly evolved since its inception in 1980, is developed based on a high-quality synthetic material, the Makrolon® polycarbonate, and is reputed for its exceptional mechanical features.

Its performances are confirmed by the most prominent certification bodies. The large variety of aspects, colours, finishes and specific effects provides a formidable range of innovative creative options.

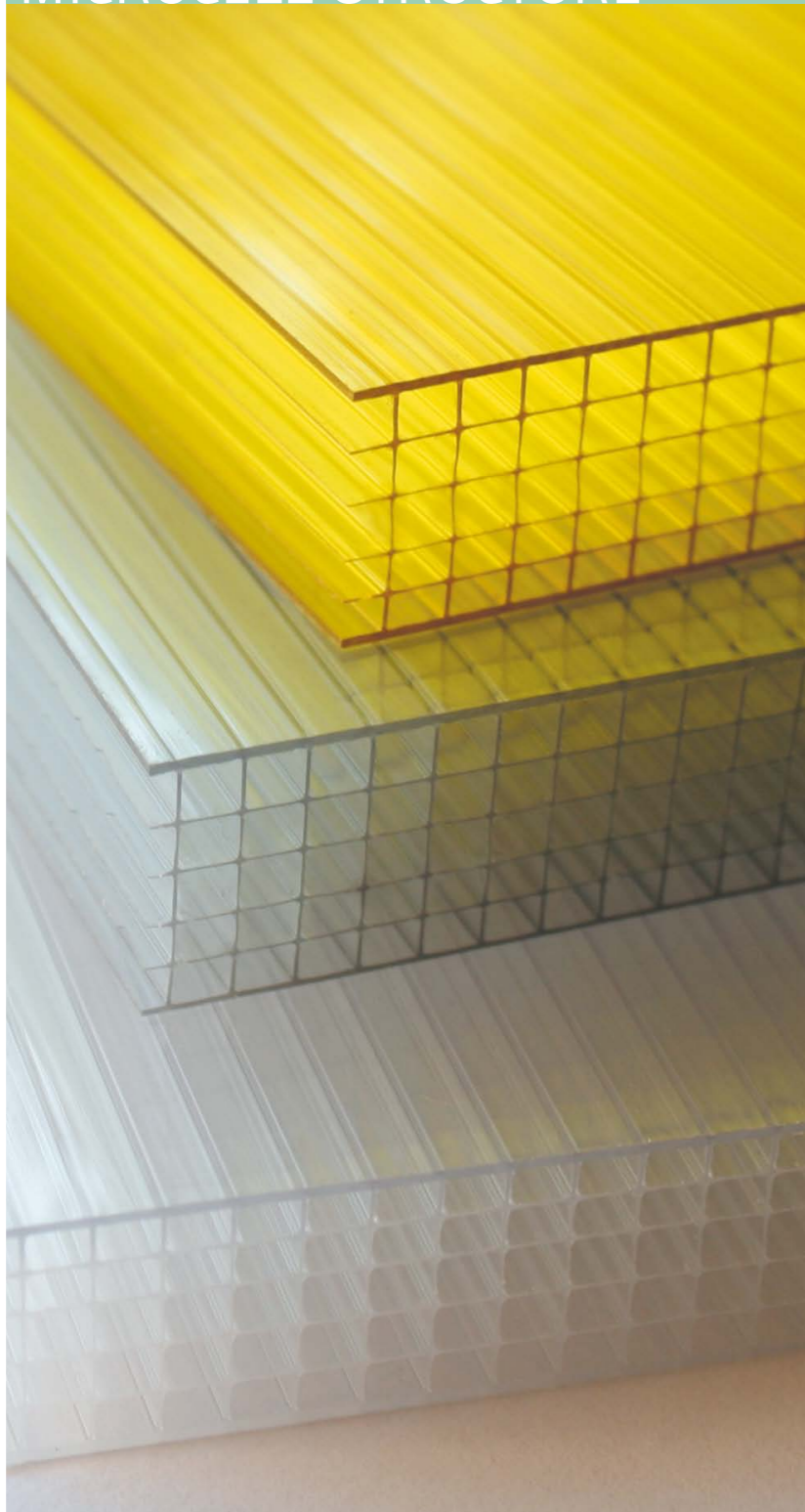
BENEFITS OF DANPALON®

- UNIQUE MICROCELLS
- UNPARALLELED DESIGN
- SURPRISINGLY LIGHTWEIGHT
- EXCELLENT LIGHT TRANSMISSION
- EXCELLENT THERMAL PERFORMANCE
- SUPERIOR AIR AND WATER TIGHTNESS
- HIGH IMPACT RESISTANCE
- QUICK, EASY AND COST EFFECTIVE INSTALLATION
- RECYCLABLE MATERIALS
- SYSTEM CERTIFIED TO EN STANDARDS BY CSTB AND LA SOCOTEC

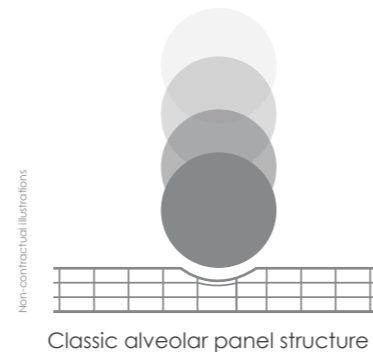
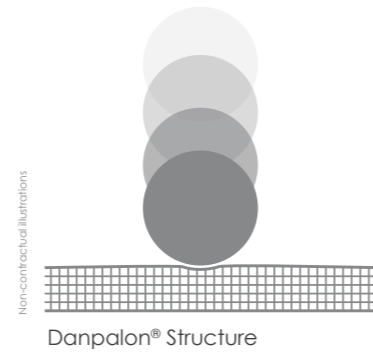
■ **Covering:** House of architecture, Vigo (Spain), Danpalon® clear, Architects: Irasari y Pinera
© Photo: Manuel Vicente

DANPALON® THE CONSTRUCTIVE SYSTEM

UNIQUE MICROCELL STRUCTURE

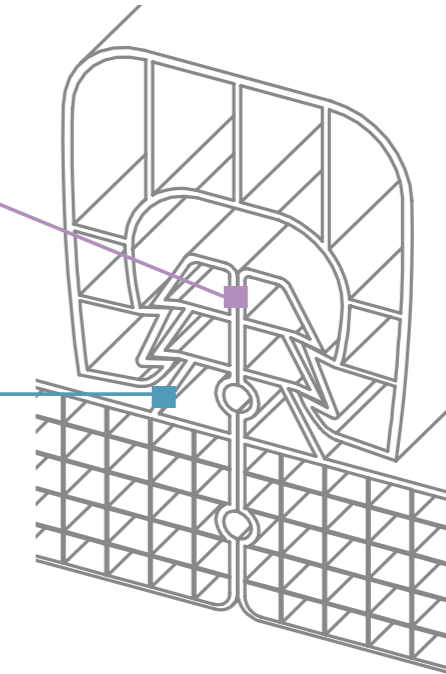
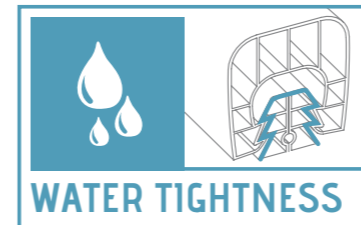


- State of the art extrusion technology.
- Highest structural mechanical performance on the market.
- Unparalleled impact resistance (hard and soft materials).



- Exceptional light diffraction and diffusion capacities.
- Dense structure, suitable for cold curving, or thermoforming.
- Unequaled aesthetic design.

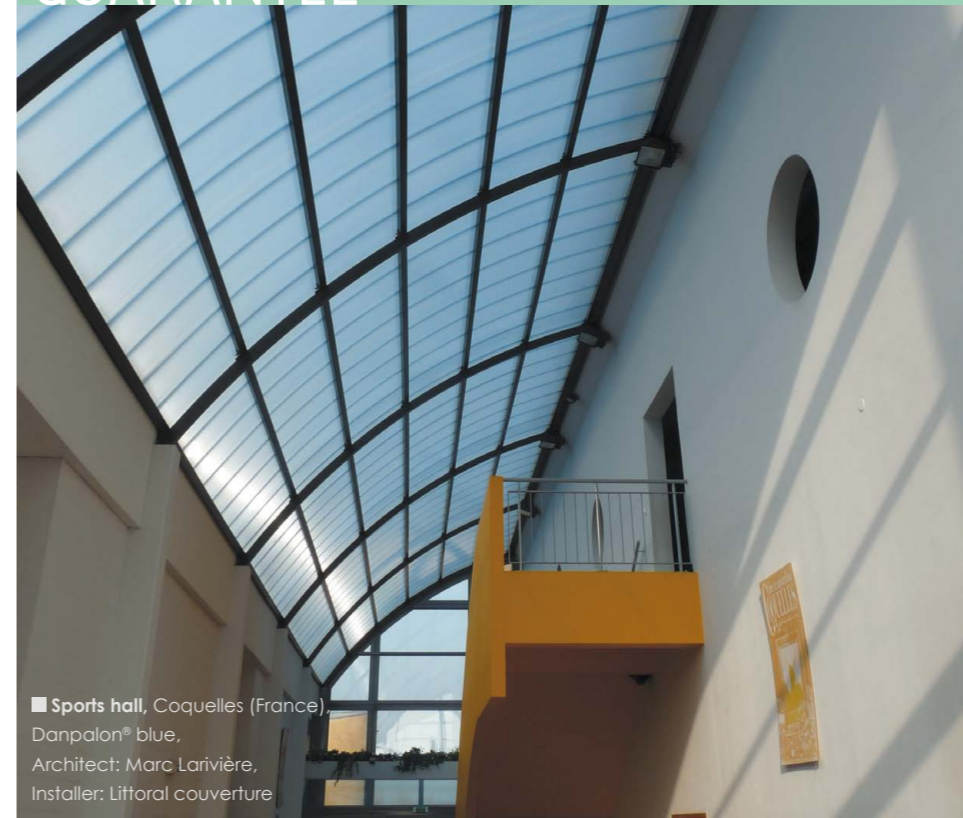
HIGH-SECURITY DOUBLE NOTCHING



- Reinforced safety gauge.
- Improved inertia for improved lightness.
- The very best air and water tightness available.



DURABILITY GUARANTEE



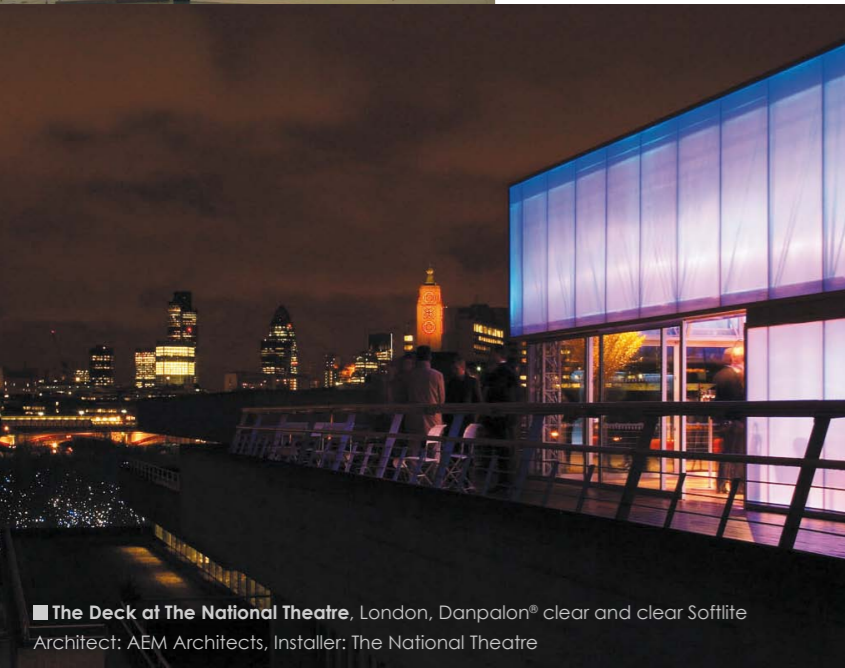
- Equipped with excellent U.V. protection capabilities, Danpalon® is highly resistant to wear and tear, as some of our 25-year old works prove it.

DANPALON® FACADE

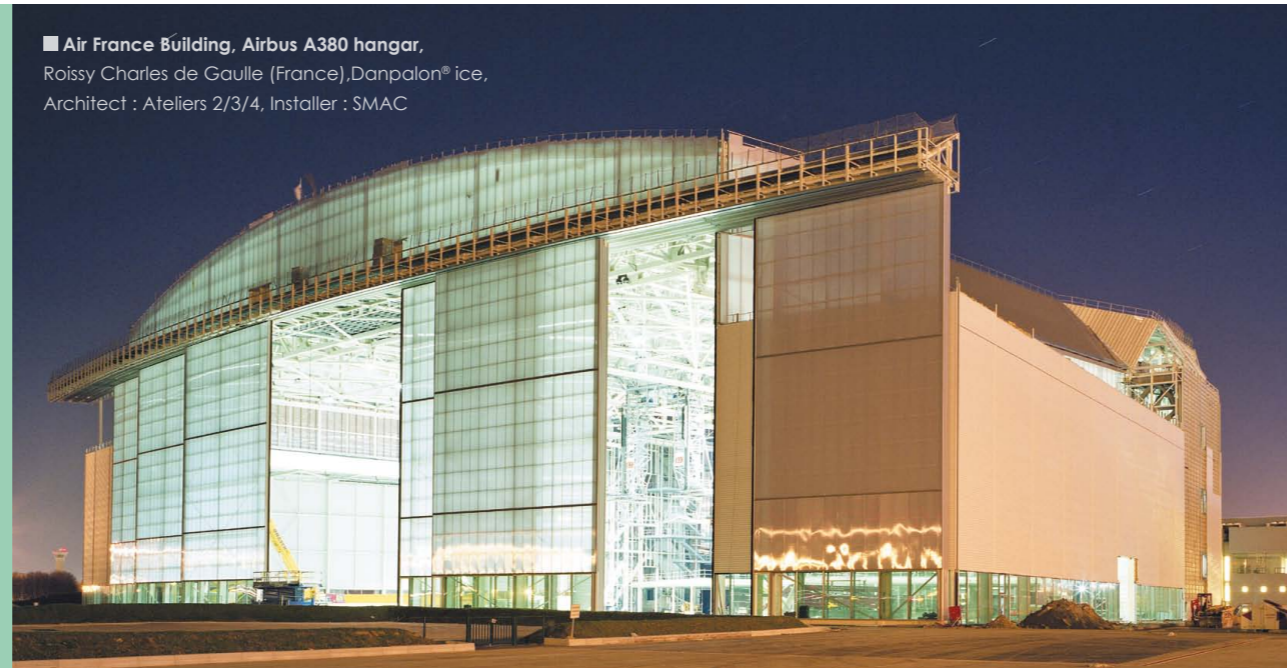
Thanks to its reflections and light transmission capabilities, Danpalon® magnifies your facades for enhanced aesthetics and comfort. By day, enjoy a pleasant natural light. By night, unveil a building full of character.



■ Gateacre School, Liverpool, Danpalon® clear Sofflite and ice, Architect: BDP, Installer: Lakesmere



■ The Deck at The National Theatre, London, Danpalon® clear and clear Sofflite Architect: AEM Architects, Installer: The National Theatre



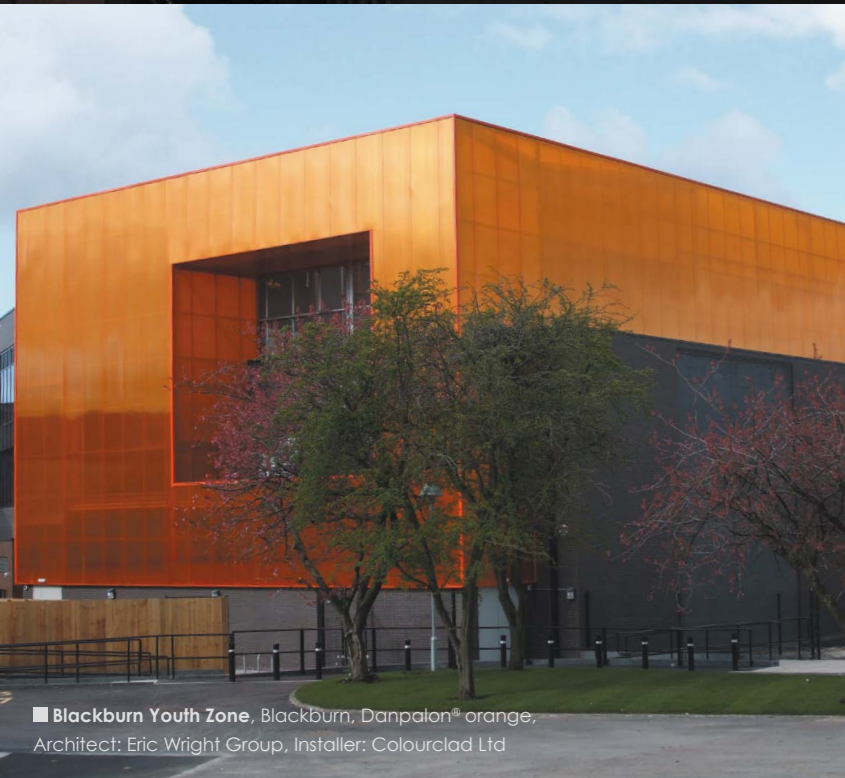
■ Air France Building, Airbus A380 hangar, Roissy Charles de Gaulle (France), Danpalon® ice, Architect : Ateliers 2/3/4, Installer : SMAC

Photo: Yves Marchand



■ Maison de l'avocat, Nantes (France), Danpalon® clear, Architect: FORMA 6, Installer: Girard Hervouet

Photo: Patrick Mora



■ Blackburn Youth Zone, Blackburn, Danpalon® orange, Architect: Eric Wright Group, Installer: Colourclad Ltd

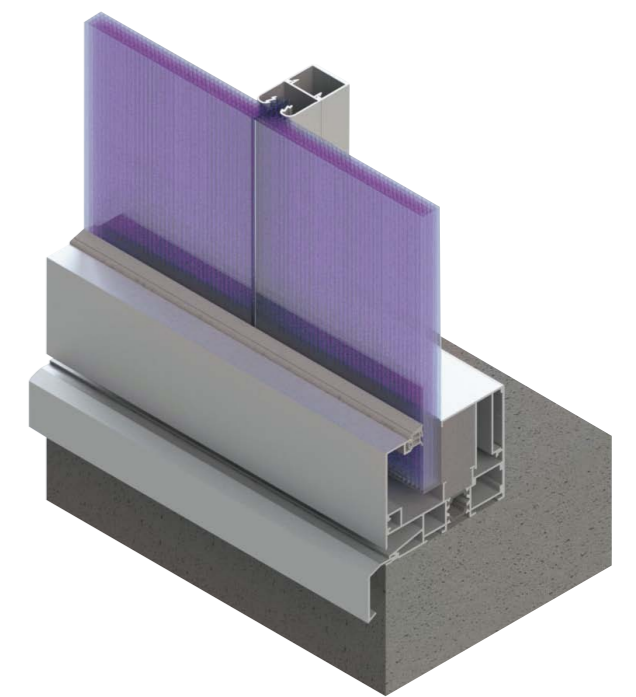


■ Fire station, Lancy (Switzerland), Danpalon® red, Architect: DMA, Installer: Brandt

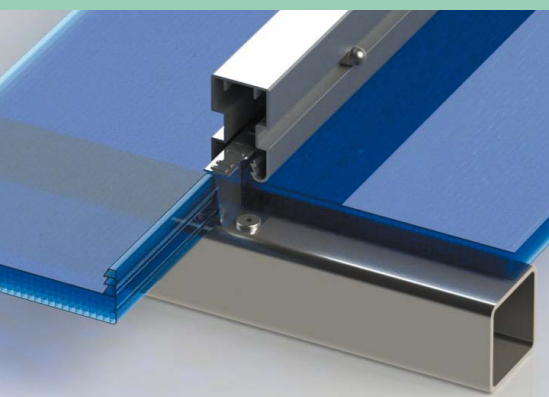


■ Trapeze house, Montreuil (France), Danpalon® gold, Architect : Louis Paillard

Photo: Luc Boegly



DANPALON® ROOFING



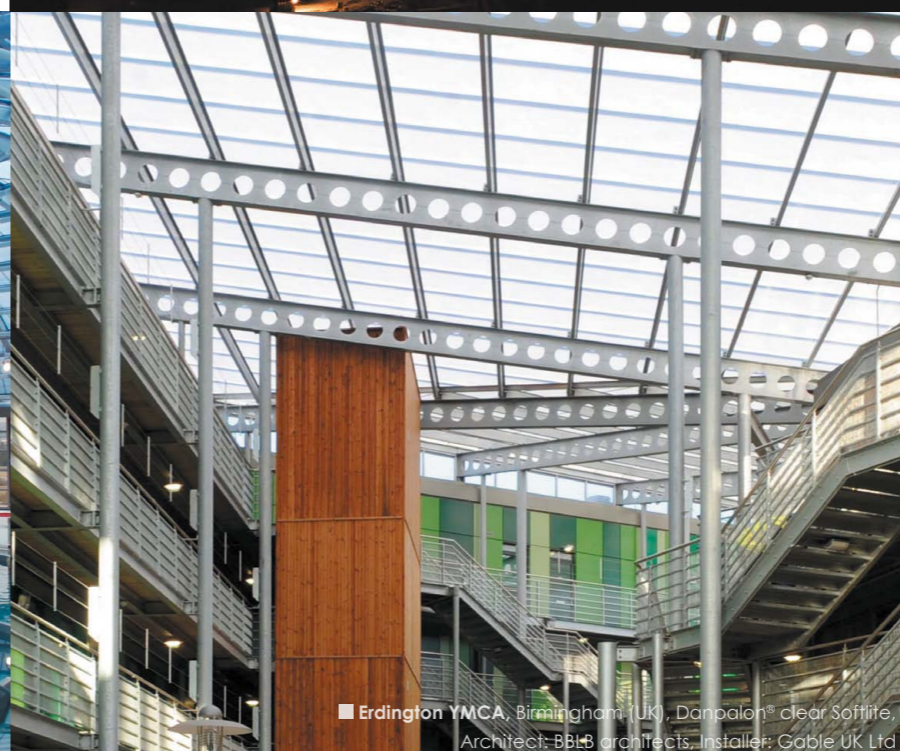
Lightweight, flexible, extremely resistant (hail) and available in large sizes, Danpalon® roofing systems adapt to all your needs to create protective and bright spaces.



■ Mendizorozza Paddles, (Spain), Danpalon® red Sofflite, orange, blue, green, clear, Architect: Ramon Ruiz Cuevas



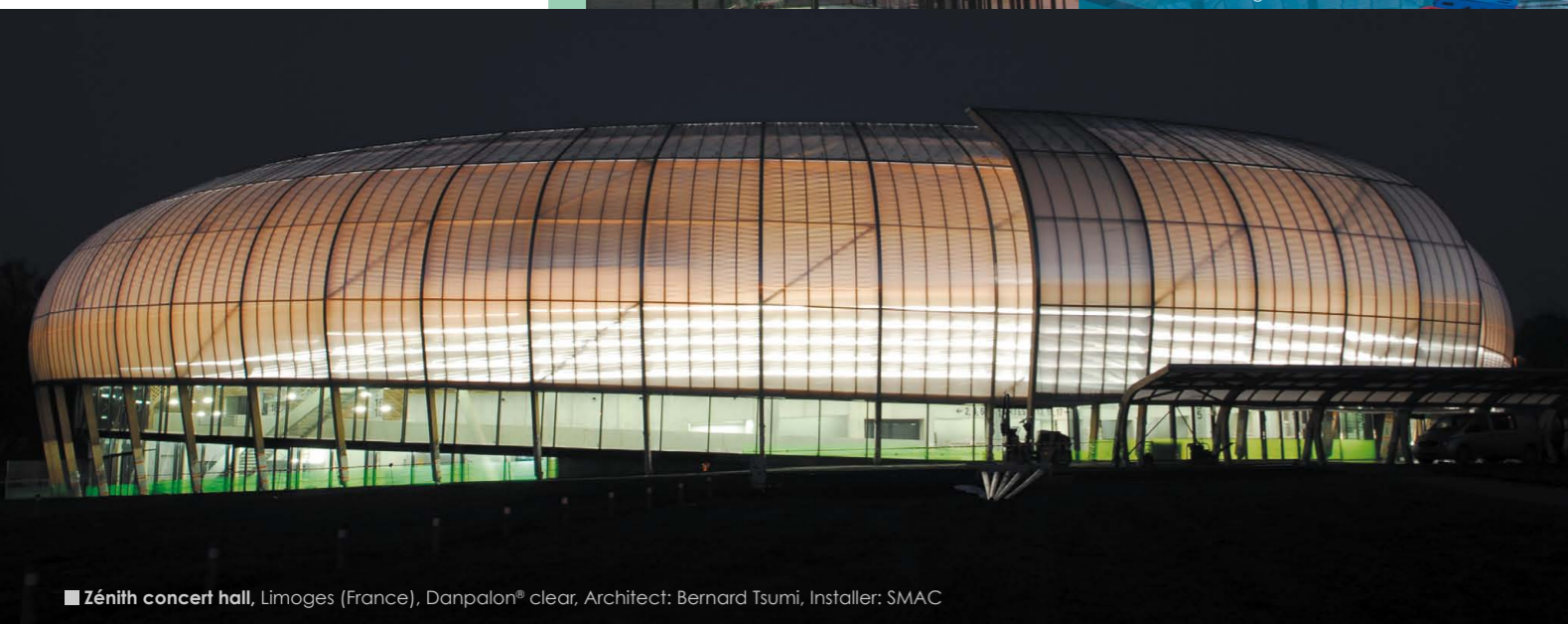
■ Aquatic center, Bellerive-sur-Allier (France), Danpalon® blue, Architect: Mr Rougerie, Installer: DBS



■ Erdington YMCA, Birmingham (UK), Danpalon® clear Sofflite, Architect: BB1B architects, Installer: Gable UK Ltd



■ Bus station, Guayaquil (Ecuador), Danpalon® blue



■ Zénith concert hall, Limoges (France), Danpalon® clear, Architect: Bernard Tsumi, Installer: SMAC



■ Stadium, Geneva (Switzerland), Danpalon® clear, Architect: Bernard Mocellin

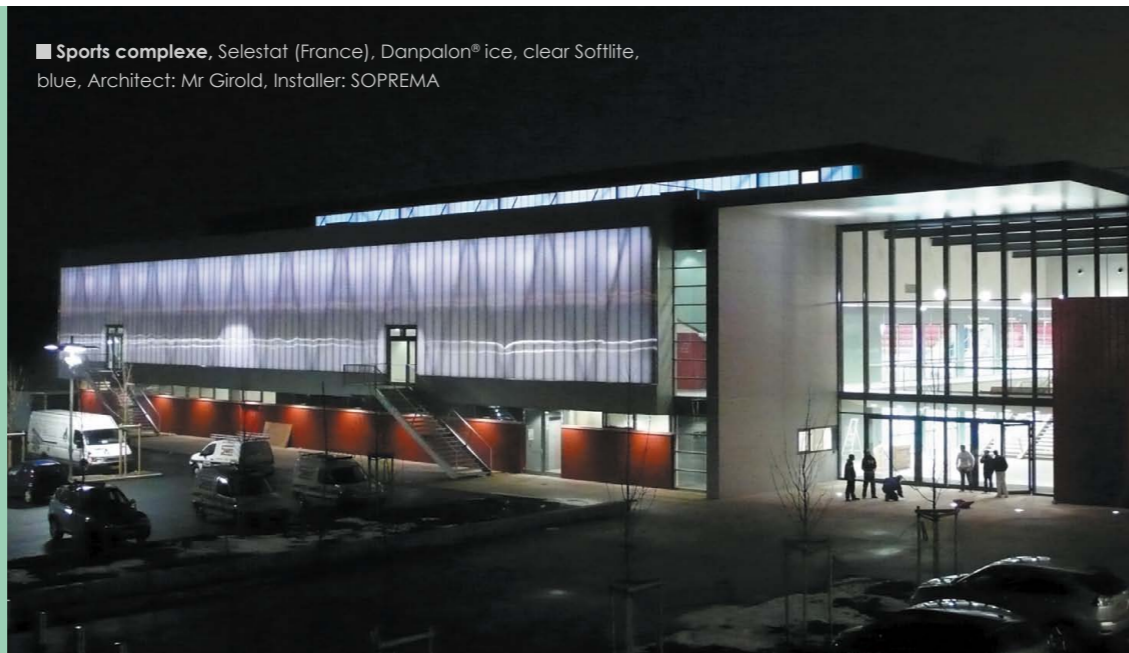


■ Sports hall, Guangzhou, Canton (China), Danpalon® opal and ice, Architects: Paul Andreu and Serge Carillon, Adpi Architects

DANPALON® DOUBLE



■ Tuke School, London, Danpalon® double ice,
Architect: Haverstock Associates, Installer: Emprose



■ Sports complexe, Selestat (France), Danpalon® ice, clear Softlite,
blue, Architect: Mr Girol, Installer: SOPREMA



■ School Saint-Alban Leysse (France),
Danpalon® double clear,
Architect: Cooperim,
Installer: Devaux Fillard SAS



■ Berthelot School, Bordeaux (France),
Danpalon® double,
Danpalon® clear Softlite (inside skin),
Architect: Emilie Brochet Lovatto,
Installer: SOPREMA



■ School complexe,
L'Isle-en-Jourdain (France),
Danpalon® double blue,
Architect: A2A, Installer: SAS Tramont



■ Danpalon® Double is made of two panels that create an insulating air space. Historically, it is the first completely translucent heat insulation system.

■ This flexible system is suitable for all roofing and facade bold design ideas (curved or straight). Surprise yourselves by playing with the large variety of colours and finishes.



■ Berthelot School, Bordeaux (France),
Danpalon® double, Danpalon® clear Softlite (inside skin),
Architect: Emilie Brochet Lovatto, Installer: SOPREMA

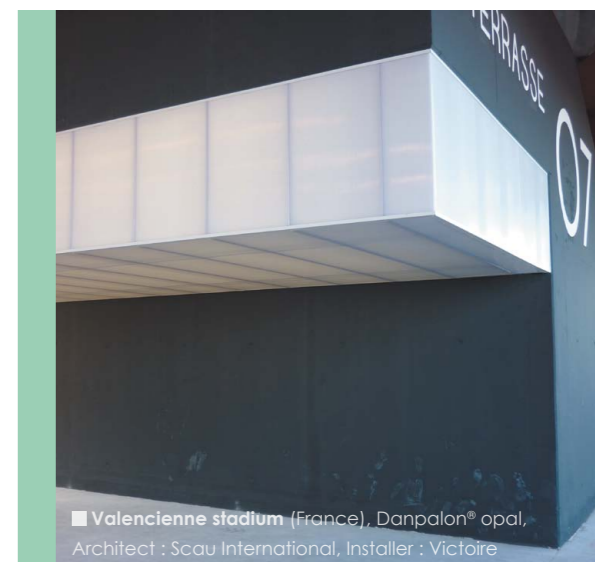
DANPALON® INTERIOR



■ **Sunset Coast CLC**, Joondalup (Australia), Danpalon® opal



■ **Dauphine university canteen**, Paris (France), Danpalon® clear, Architects: SCP Beguin & Macchini, D.E.N.S.A.I.S Architects, Installer: A.M.T



■ **Valenciennes stadium** (France), Danpalon® opal, Architect : Scau International, Installer : Victoire



■ **Collective creche Eiders**, Paris (France), Danpalon® orange, Architect: Pablo Katz Architecture, Installer: BMG



■ **Techno cafe university**, Dunham (UK), Danpalon® opal, Architect: PH Partnerships, Installer: UKTMANNER



■ **Creche of Lake**, Paris (France), Danpalon® green, Architect: Pablo Katz Architecture, Installer: BMG



■ **37 Degrees Gym**, London, Danpalon® double ice, Architect: SHH Architects, Installer: Vincent Stoakes

■ Walls, partitions and false ceilings open up under the effect of the light setting. Danpalon® brightens your interior spaces to create a subdued ambient and an exciting atmosphere.

DANPALON® DECORATION



■ **Secondary school P. Mendes**, Arques (France),
Danpalon® clear, adhesive film, Architect: Soupey Toth Architecte,
Installer: Littoral couverture



■ **Maison du livre**, Forcalquier (France),
Danpalon® silkscreen print,
Architect: Atelier d'architecture R+4,
Installer: C-cube,
Silkscreen made by T DEC



■ **Oddo nursery school**, Marseille (France),
Danpalon® digital printing,
Architect: Camille Richard Lenoble,
Installer: RESO



■ **Nurcery school**, Rosheim (France),
Danpalon® silkscreen print, Architects: Weber and Albrecht, Installer: TBI



■ **Liberty creche**, Le Petit Quevilly (France),
Danpalon® silkscreen print,
Architect: Gérard Bourdon,
Installer: Gautier



■ **Santoni School**, La Garde (France),
Danpalon® digital print, Architect: Service architecture
of La Garde, Becker Sylvie, Installer: FGL Habitat, RESO

■ A spring of creativity, Danpalon® invites you to explore new aesthetic dimensions. Digital printing, adhesive film, screen printing... By associating image and light, Danpalon® helps create "evolving" spaces where decoration is transformed by light.

DANPALON® FINISHING



SOFTLITE FOR UNPARALLELED VISUAL COMFORT

■ Sofllite finishing greatly diminishes glare effects.

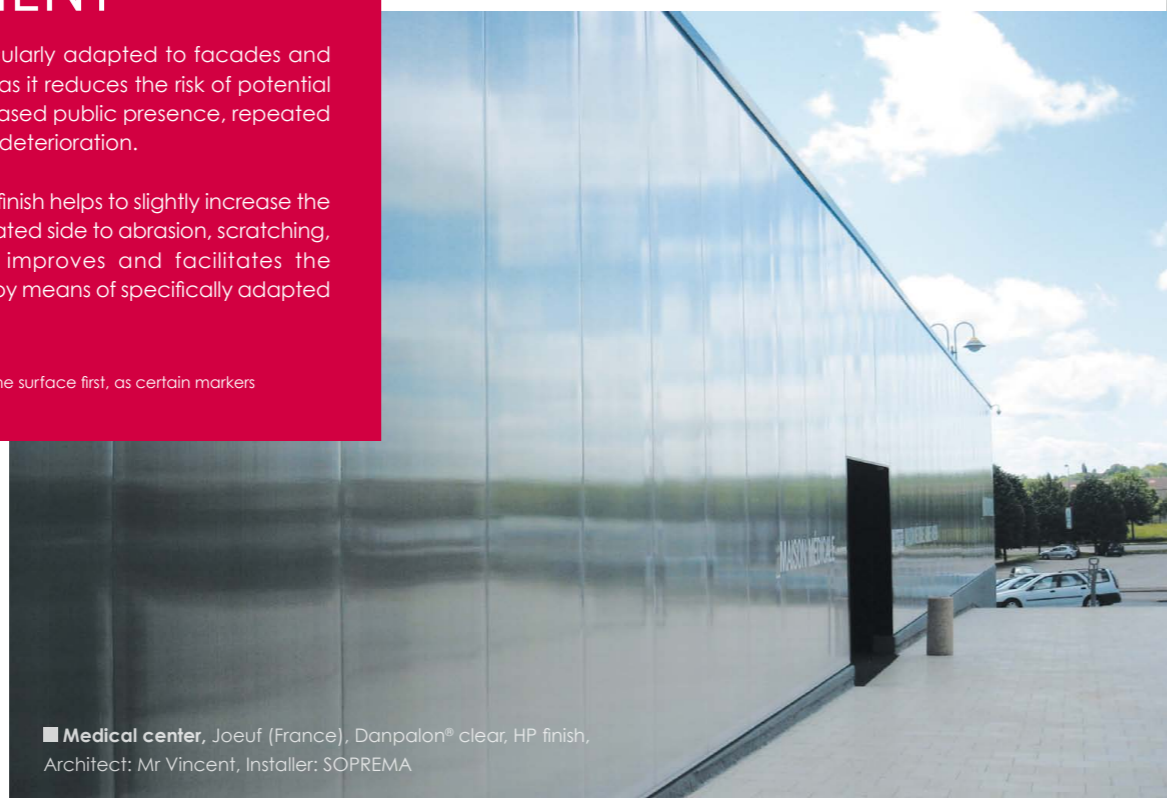
Characterised by a matt aspect, Sofllite is applied by co-extrusion on Danpalon® panels of any thickness and colour and is 100% permanent. The Sofllite finishing is independently validated. It eliminates the glare effect and ensures maximum visual comfort regardless of the exposure and type of building.

HIGH PROTECTION TREATMENT

■ This finish is particularly adapted to facades and low level partitions, as it reduces the risk of potential damage from increased public presence, repeated friction or voluntary deterioration.

The high protection finish helps to slightly increase the resistance of the treated side to abrasion, scratching, scraping... It also improves and facilitates the cleaning of graffiti* by means of specifically adapted cleaning products.

*We recommend testing the surface first, as certain markers or paints may be indelible.

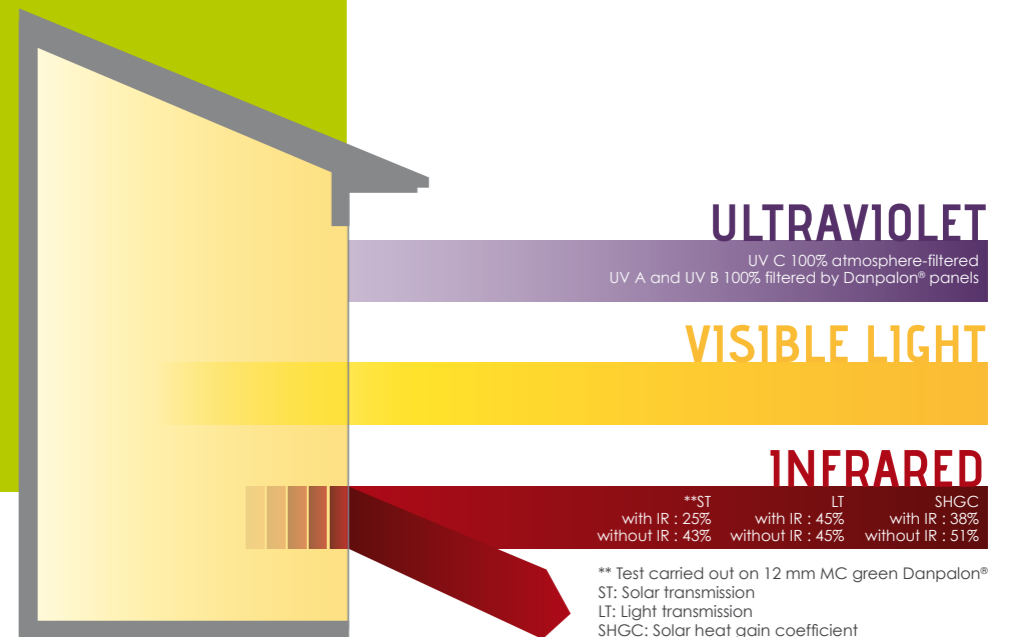


■ Medical center, Joeuf (France), Danpalon® clear, HP finish, Architect: Mr Vincent, Installer: SOPREMA

INFRARED TREATMENT

■ This specific treatment applied to the Danpalon® panels significantly limits solar heat without affecting light transmission, thus directly contributing to the summer comfort and the bioclimatic efficiency*.

*Taking into account the infrared wavelengths, green, blue and mauve panels provide the best performance.



IRIDESCENT ASPECT FOR CONTROLLED RADIATION

■ The treatment applied on the Danpalon® panels greatly improves heat performance due to their capacity to reflect infrared rays. Its pearlescent aspect that changes according to the angle of view and is surprising and attractive.



HEAT WELDED EDGES FOR PERFECT FINISHING

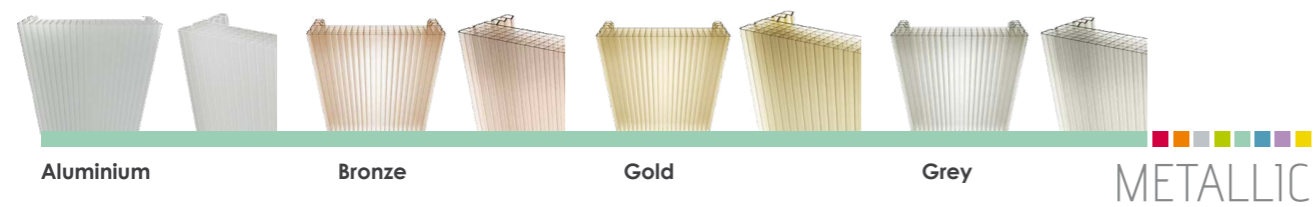
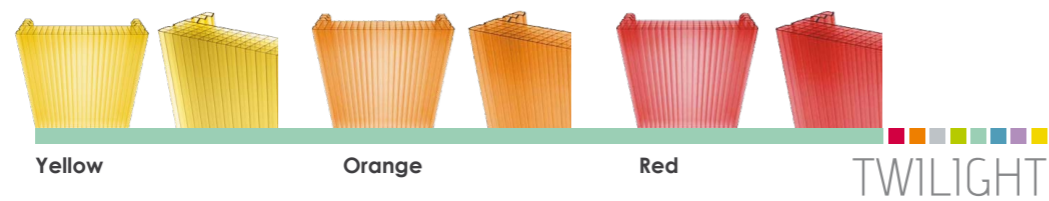
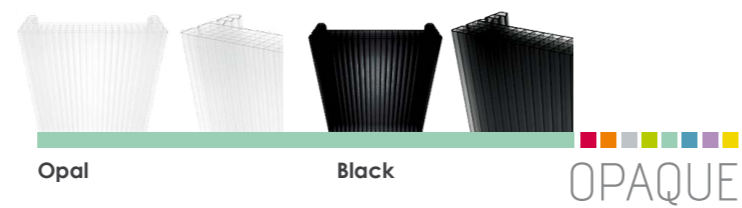
■ The welded edges provide a clean and effective solution that prevents water, dirt or insects from getting inside the microcells. The assembly of the Danpalon® panels is also facilitated, as no panel end caps or tape are needed.

WIDE COLOUR RANGE FOR A CUSTOMIZED PROJECT

A wide range of standard colours is available to match your requirements in terms of creativity and imagination.

Softlite option

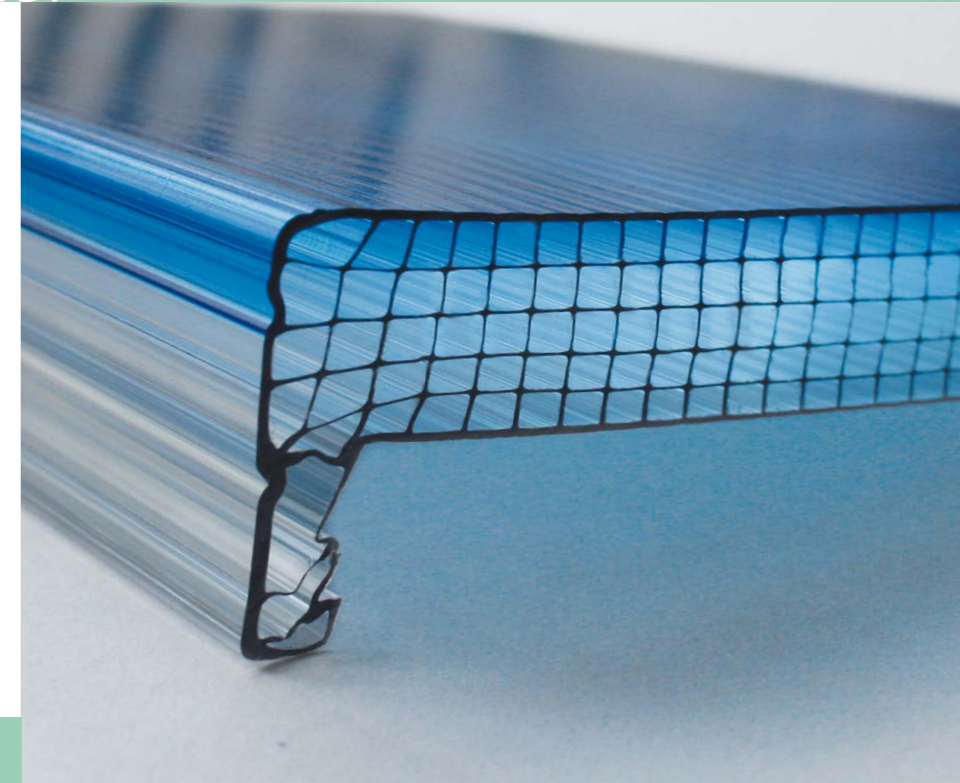
To limit the glare effect and to obtain a matt finish, the Softlite treatment (anti-glare) that complies with CSTB report no. EN-ECL 05.10.C is available on request.



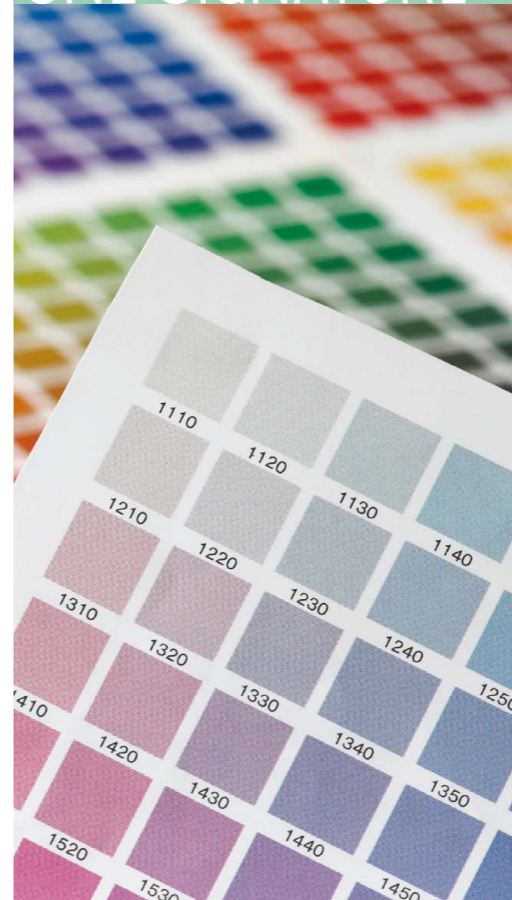
Please refer to our technical manual to see the transmission, reflection and solar factor values according to colour and thickness. For specific colours and treatments, please contact us.

BICOLOUR FOR DOUBLE EFFECT

Our bicolour option gives you the possibility to perfectly adapt your facades to the effect you desire both inside and outside. It is available in the colours of your choice on all our Danpalon® systems (under specific sales conditions).



ONE COLOUR ONE SIGNATURE



Create a unique colour signature for your project.

Imagine, create and we will produce the colour of your choice. Please contact us to find out about our terms and delivery times.

MAINTENANCE

Danpalon® requires environmentally friendly maintenance. The low surface tension of Danpalon® systems allows the panels to be effectively cleaned simply by using water and soft soap. Never use abrasive cleaning products.

TECHNICAL FEATURES

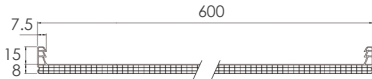
	DANPALON® 8 mm	DANPALON® 10 mm	DANPALON® 12 mm	DANPALON® 16 mm	DANPALON® 22 mm	DANPALON® 30 mm
Number of walls	4	4	4	6	6	6
Structure	Multicell (MC)	Multicell (MC)	Multicell (MC)	Multicell (MC)	Multicell (MC)	Honeycomb (HC)
Width (mm)	600	600	600 - 900	600 - 900 - 1040	600 - 900	900
U _g (W/m².K) <small>CSTB calculated values</small>	3	2.6	2.4	1.9	1.5	1.4
Reaction to fire	B-S2,d0					
Span between sills	Up to 1.60 m	Up to 2 m	Up to 2 m	Up to 2.5 m	Up to 2.8 m	Up to 3.2 m
Minimum slope <small>Specific test</small>	5° (ou 9%)					
Minimum radius for cold bending	1.6 m	2 m	2.5 m	3.5 m	3.6 m	4.2 m
Manufactured according to certification	ISO9001 - ISO14001					
Ten-year warranty + hail warranty	Yes					
Impact and shock resistance	Hard and soft materials					
Technical agreements	Specialised reviews to EN standards throughout by SOCOTEC / CSTB Technical Assessment Department on cladding and roofing / Annual monitoring of the production factory by CSTB					

The values in this table are subject to changes in time. Please refer to the technical assessments at www.everlife.fr www.danpalon.co.uk and www.cstb.fr.

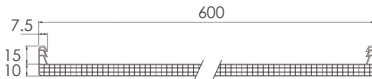
DIMENSIONS AND STRUCTURES

Danpalon® panels are designed with multiple dimensions and cell structures according to thickness to offer solutions that match your requirements.

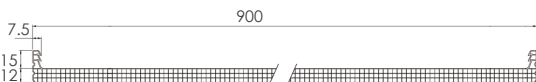
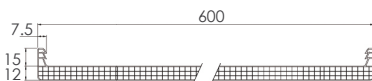
Danpalon® 8 Multicell



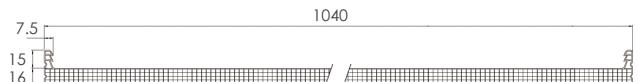
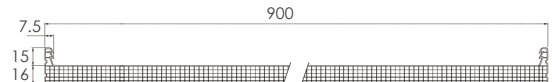
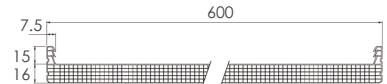
Danpalon® 10 Multicell



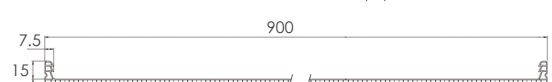
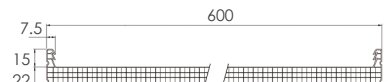
Danpalon® 12 Multicell



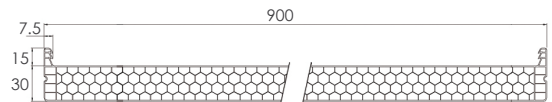
Danpalon® 16 Multicell



Danpalon® 22 Multicell



Danpalon® 30 Honeycomb



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Danpalon® is supplied throughout the UK by:
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Find all our applications at
WWW.DANPALON.CO.UK