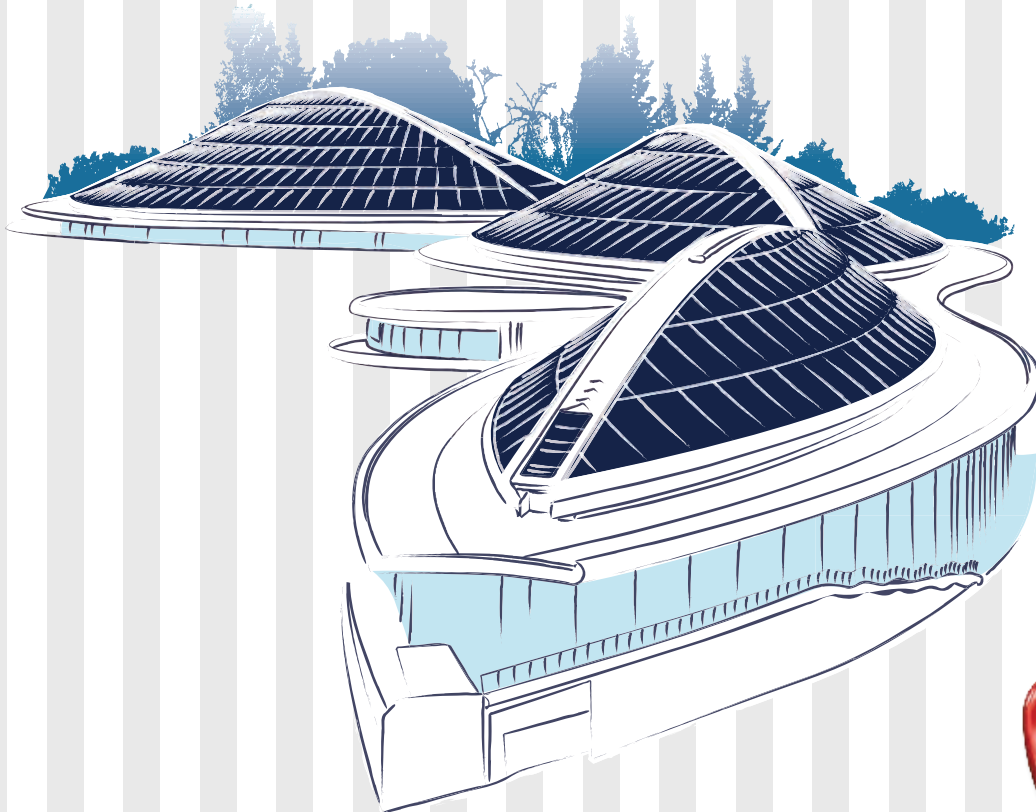


Danpatherm K12

Unitized High Insulation System For Facades



Danpalon[®]
Light Architecture

What is a Danpatherm K12

Unitized system

- Danpatherm K12 is a factory assembled.
- It is quick and easy to install, reducing labor costs and construction times significantly.
- Danpatherm K12 eliminates the possibility faced by conventional double layered systems that moisture and dirt may penetrate between the panels.
- External panels can be removed if necessary without affecting the building integrity.

Excellent thermal insulation, load resistance and spanning capabilities.

- By including a translucent insulating material in the cavity, this unique double glazing concept can offer U values low as $0.39 \text{ W/m}^2\text{K}$.
- Danpatherm K12 offers unparalleled wind load resistance and can span more than 3 meters unsupported, significantly reducing requirements for secondary steel framing.

Soft, diffused light

- Danpatherm double wall features Softlite, a special finish inherently manufactured into the panels that ensures even transmission of light and eliminates glare.





Wide range of hues for endless creativity: Play with materials and light and make your own **Danpatherm K12** selection.



Danpatherm K12 - Key Features



Danpalon multicell panels, with different color and finish options

Different insulation options

Clean look: no visible aluminum from interior or exterior

Thermal break frame

Danpatherm K12 - Technical Features

	Number of walls	Polycarbonate sheets	Glass-Wool
Walls structure	12mm+12mm	12+12+up to 7 layers of 6mm	12+12+GW
Structure	Honeycomb panels, forming double glazing		
Thickness	120mm		
Length	Standard up to 8m		
U value (W/m ² K)	1.2	Down to 0.39 (7 layers)	Down to 0.52
Light transmission	46%	40%-19% (1 to 7 layers)	24% (100mm)- 31% (50mm)
Load resistance	Unparalleled wind load resistance (compared to male/female systems)		
Span between supports	3m		
10 year and hail warranty	Yes		

Benefits of Danpatherm K12



- Exceptional thermal insulation
- Factory pre-assembled CASSETTE
- Quick and easy installation
- Clean look – no visible aluminum
- Variable levels of light transmission
- Unparallel wind load resistance

