

EVERLITE

DANPATHERM K7

■ FACADE

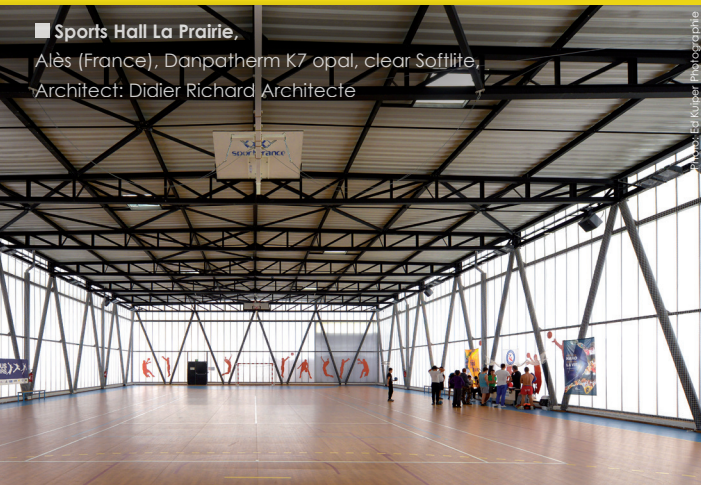


LIGHT & INSULATION

DANPATHERM

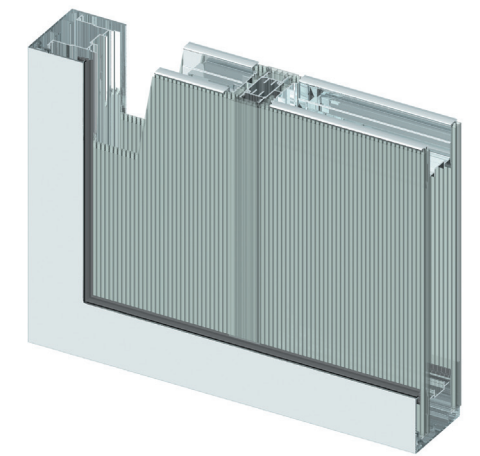
K7

AN INNOVATIVE FACTORY ASSEMBLED
“READY-TO-INSTALL” SYSTEM FOR
TRANSLUCENT FACADES OFFERING
EXCELLENT THERMAL INSULATION



BENEFITS OF DANPATHERM K7

- EXCELLENT LEVELS OF LIGHT TRANSMISSION
- EXCEPTIONAL THERMAL INSULATION
- FACTORY PRE-ASSEMBLED CASSETTE
- QUICK, EASY AND COST EFFECTIVE INSTALLATION
- EXCELLENT SPANNING CAPABILITIES
- CSTB CERTIFIED TO EN STANDARDS



Danpatherm K7 is a unique, factory pre-assembled building concept designed to provide ease of installation together with excellent thermal performance and light transmission.

■ Soft, diffused light

Each internal surface of the Danpalon® double wall is finished in Softlite, a special 100% permanent finish which ensures uniform light and prevents the glare effect.

■ Excellent thermal insulation

Depending on the nature of the cavity (air space or translucent insulating material), the unique double glazing concept allows values as low as 0.72 W/m².K (Calculation based on a thermal value of $\lambda = 0.076$ W/mK for the translucent insulating material).

■ Ready-to-install building system

Danpatherm K7 is factory pre-assembled and cut to size, which makes it extremely quick, easy and cost effective to install.

■ EVERLITE CONCEPT support

Our technical support team is at your service to assist you in creating the details and layout plans.

■ **Play with the material** to create your own Danpatherm K7 colour and light combinations!

■ Technical assessment

Danpatherm K7 performance and installation conditions are independently certified to EN standards by the CSTB Technical Assessment Department.

■ **Cover: Canteen, Aigurande (France),**
Danpatherm K7 ice Softlite, Architect: Bruno Robinne,
Installer: SMAC Rousseau

TECHNICAL FEATURES

DANPATHERM K7				
System	Double skin			
Number of walls	4 + air gap + 4	4 + insulation + 4	6 + air gap + 4	6 + insulation + 4
Thickness (mm)	12 + 46 + 12	12 + 46 + 12	16 + 46 + 12	16 + 46 + 12
Width (mm)	624		624 - 924	
Length (m)	Standard up to 8 m ⁽¹⁾			
Weight of the panel (kg/m²)	8	8,3	8,7	9
Fire resistance ⁽²⁾	B - s1, d0			
Rw (C; Ctr) - acoustic (dB) (with sound insulation panel (Rw = 33 (-1; -4) dB))	26 (-1; -5)			
Ug (W/m².K) (according to Th-U rules)	1,18	0,79	1,06	0,72 ⁽³⁾
Light Transmission LT: % Visible Light Transmission (400 - 700 nm) (values for clear Softlite)	Until to 35%	Until to 19%	Until to 29%	Until to 16%
SHGC: Solar Heat Gain Coefficient. Total solar energy transmitted through the panel = % ST + 0,2 x [1 - (% ST + % SR) (values for clear Softlite)	0,4	0,3	0,35	0,27
Spanning (maximum) (m) ⁽⁴⁾ (values for 624 mm)	3			
Soft and hard body impact	D1 - 10 J; M50 - 300 J; M50 - 400 J; M50 - 900 J			
Non - fragility	Facade: 900 J			
Stability in seismic zone	On request			
Softlite finish	Can be applied under specific conditions, please contact us for further details			
Digital printing				
HP (High Protection) coating				
ISO Certifications	Manufacturer certified ISO 9001 & ISO 14001			
Warranty	10 years manufacturer warranty (panels)			

(1) Longer upon request

(2) Euroclass following SBI (Single Burning Item) tests protocol established according to EN 13501-1

(3) Calculation based on a thermal value of $\lambda = 0,076$ W/mK for the translucent insulating material

(4) Permissible loads corresponding to high pressure/low pressure under normal wind according to regulation NV65 modified.
For more information, please see the load tables in the technical documents at www.everliteconcept.com

CE marking in accordance with EN 16153

NB: All information is provided for information purposes only and are subject to changes in time

VERTICAL SECTIONS



EVERLITE

View all of our systems at WWW.EVERLITECONCEPT.COM

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