

NEW

# DANPATHERM RK7 SYSTEM

Light & Insulation for Roofing



SKYLIGHTS





A photograph of a modern interior staircase. The staircase has light-colored wooden steps and is flanked by white walls. Above the staircase is a large, vaulted glass skylight with a double-glazed cassette system. The skylight is made of several horizontal glass panels, and the cassette system is visible as a series of thin, dark lines. The overall atmosphere is bright and airy, with natural light streaming in from the skylight. A solid blue vertical bar is on the left side of the image.

# **DOUBLE THE EXPERIENCE WITH DANPATHERM RK7 DOUBLE GLAZED CASSETTE BUILDING SYSTEM**





**EXCELLENT THERMAL  
INSULATION, LIGHT  
TRANSMISSION AND  
LOAD RESISTANCE**

**DANPATHERM RK7, UNIQUE,  
CASSETTE BUILDING SYSTEM,  
REDEFINES WHAT'S POSSIBLE  
IN THE WORLD OF ROOFING.**

**DESIGNED TO CREATE  
THE IDEAL ENVIRONMENT  
WITH PERFECT SOLAR AND  
THERMAL COMFORT.**



# DOUBLE THE COMFORT

## CREATE INNER CALM WITH SOFT, DIFFUSED LIGHT

Danpatherm RK7 cassette building system features Softlite, a special finish manufactured into the panels to eliminate glare and ensure even light transmission. With Softlite, interiors are evenly lit with a gentle and diffused light.



## DOUBLE THE POSSIBILITIES

### DANPATHERM RK7 OFFERS TOTAL VERSATILITY FOR ADAPTIVE ENVIRONMENTS

The dynamic nature of the system offers the flexibility to design daylighting systems that have a larger aperture without the traditional risk of over lighting or overheating a space. Inner and outer panels come in a variety of glazing colors, extending the creative possibilities.





# DOUBLE THE EASE CLEAN AND QUICK INSTALLATION

This unique, factory-assembled building system is quick and easy to install, reducing labor costs and installation time. External panels can be removed if necessary without affecting the building envelope. Pre-fabricated off-site, this cassette panel system prevents moisture and dirt penetrating between the panels.

## SYSTEM BENEFITS

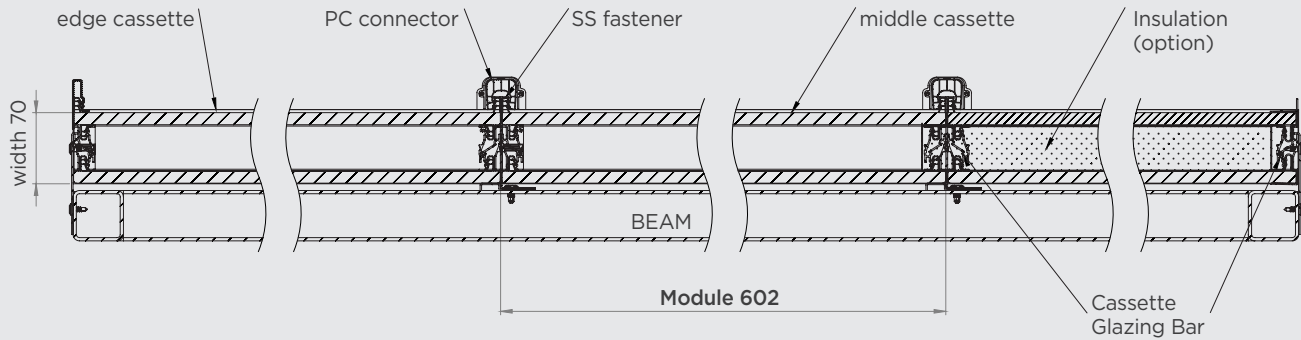
- Exceptional thermal insulation
- Factory pre-assembled cassette
- Quick and easy installation
- Smooth appearance due to hidden glazing columns
- Enables long spans - clean look
- Variable levels of light transmission
- Unparalleled wind and snow load resistance
- Decreased rain noise
- Complete waterproof protection







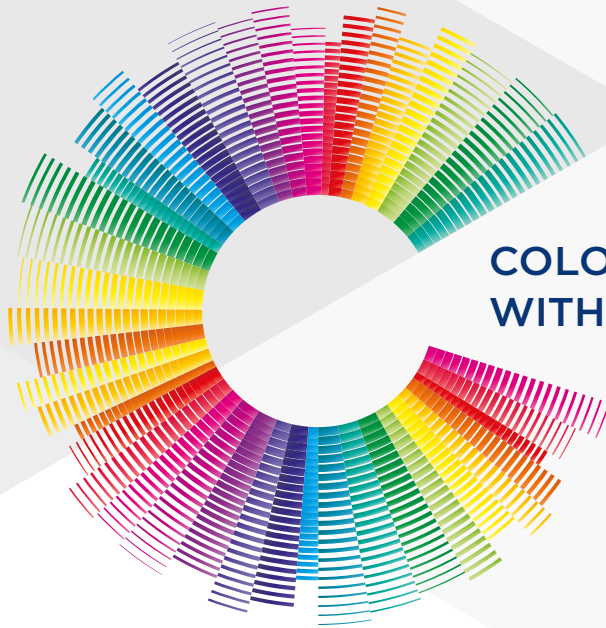
## STRUCTURE



## PROPERTIES

	WITHOUT INSULATION		WITH INSULATION	
Cassette structure	12 + 46 + 12			
Module (mm)	600			
Thickness (mm)	70			
Length	Standard up to 11.8 meter			
Weight (kg/m <sup>2</sup> ) without frame	8		8.3	
Reaction to fire norm EN 13501-5	Broof (t1)			
Acoustics Rw (c, ct)	26 (-1, -5)			
U value (W/m <sup>2</sup> k)	1.18		0.79	
Light transmission	Up to 35%		Up to 19%	
SHGC	0.4		0.3	
Max wind load Span 2000 mm 3 support	170 kg/m <sup>2</sup> SF2			
Max wind load Span 2500 mm 3 support	155 kg/m <sup>2</sup> SF2			
Max wind load Span 2500 mm 2 support	275 kg/m <sup>2</sup> SF2			
Impact and shock resistance	Soft impact test M50-1200 joule			
Finishes	Softlite, HP, Low E			
Warranty	10 years			





## 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 50 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.

#### Danpatherm RK7 is an integral part of Danpal's range of systems - giving you a complete solution



FACADES



CLADDING



SKYLIGHTS



OUTDOOR



SHADING



INTERIOR