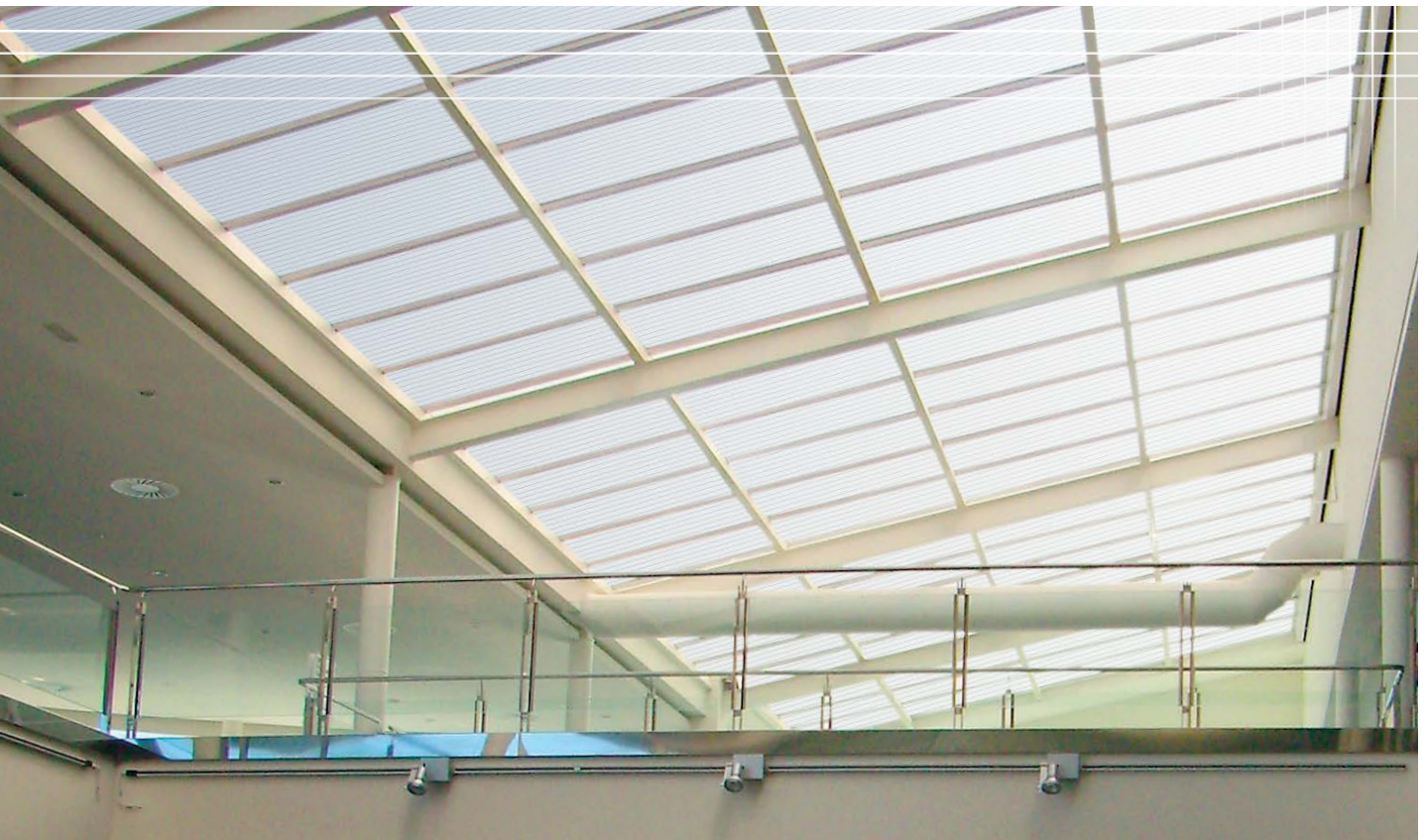


EVERLITE

CONTROLITE®

■ FACADE ■ ROOFING



INTELLIGENT DAYLIGHTING SYSTEMS



THE SMART CONTROL OF SOLAR LIGHT AND ENERGY

In architectural design, natural light in a building is considered to be a mood and productivity booster. On the other hand, too much sunlight is dazzling and overheats the interior space.

Sunlight is directly linked to light transmission. Managing these parameters during architectural design is vital in order to utilise energy efficiently.

With its built in automated sunshades, the Controlite® system allows optimal regulation of light intensity inside buildings. It filters the ideal quantity of light throughout the year and controls the input and evacuation of heat according to needs.

BENEFITS OF CONTROLITE®

- COMPLETE, HIGH PERFORMANCE AUTOMATED SYSTEM
- EXCEPTIONAL CONTROL OF NATURAL LIGHT
- CONTROL OF SOLAR ENERGY
- EASY INSTALLATION
- EXTENSIVE TECHNICAL CAPABILITIES
- SOCOTEC (EN ACCREDITED) CERTIFIED SYSTEM

■ Cover : BMW, Vitoria (Spain), Controlite® cristal



■ La-Grange-au-Bois Sports Hall, Metz (France),
Controlite® facade, Danpalon®, cristal Softlite, cristal,
Architects: JM Gremillet, Installer: Soprema

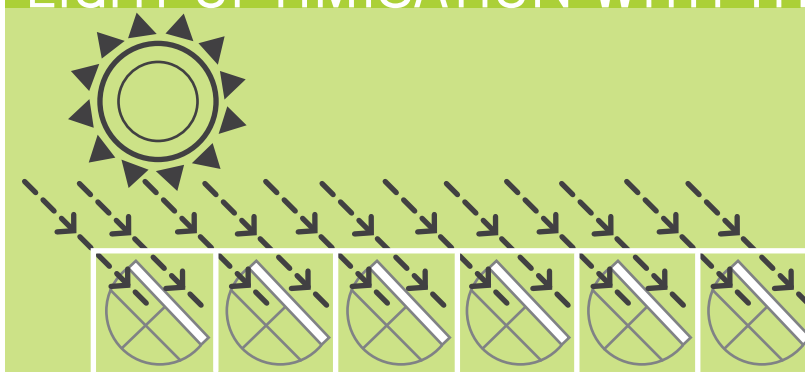
CONTROLITE® OPERATION

The Controlite® system optimises natural light by adjusting the position of its built-in rotating "RotaBlades™" sunshade blades according to the most suitable angle of incidence. An external sensor detects the position of the sun and light intensity, while an internal sensor records the intensity of light inside the building. The Controlite® system balances the levels of light distribution and creates a pleasant interior environment as defined by the user.

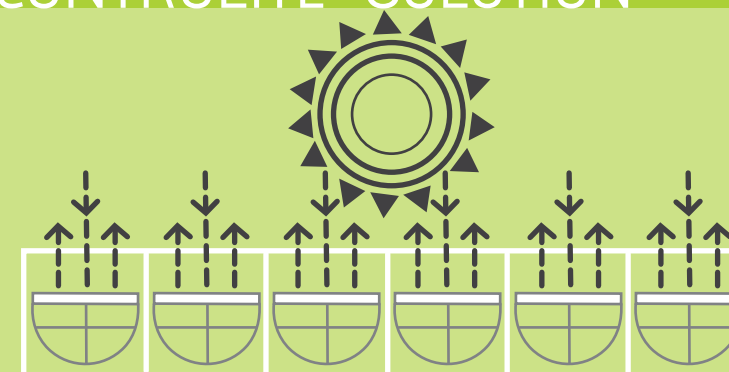
■ In low angle of incidence (morning, afternoon, winter): The Controlite® system defines its built-in rotating "RotaBlades™" sunshade blades to distribute the optimised quantity of natural light.

■ In high angle of incidence (noon): The opaque surface of the built-in rotating "RotaBlades™" sunshade blades reflects the sun rays to attain a perfect balance of light, comfort, solar gain and energy savings.

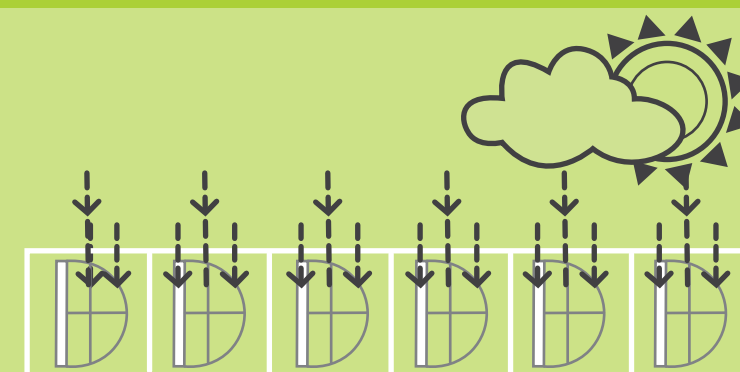
LIGHT OPTIMISATION WITH THE CONTROLITE® SOLUTION



Early morning or late noon



Summer midday



Cloudy days

■ Structural supporting aluminium system

■ Effective width: 1000mm centre distance

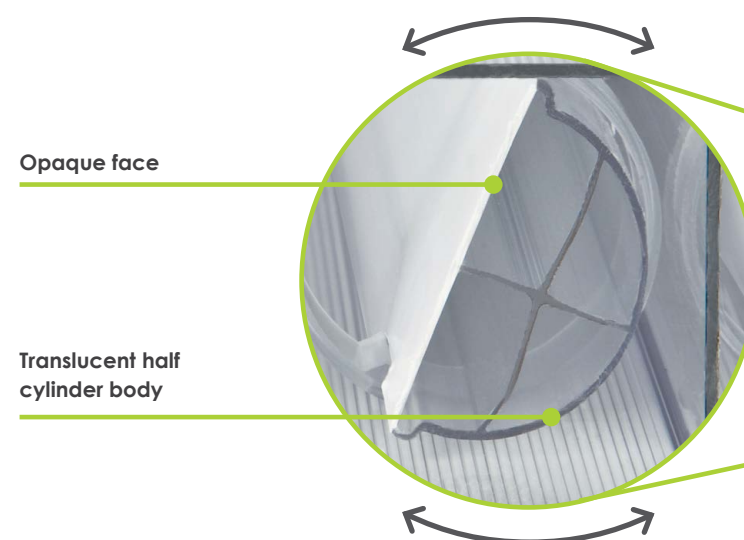
■ Polycarbonate panels with built-in rotating sunshade blades

■ Dimensions (w x h x L)
980mm x 30mm x up to 9000mm

■ External sensor that detects the position of the sun and the light intensity

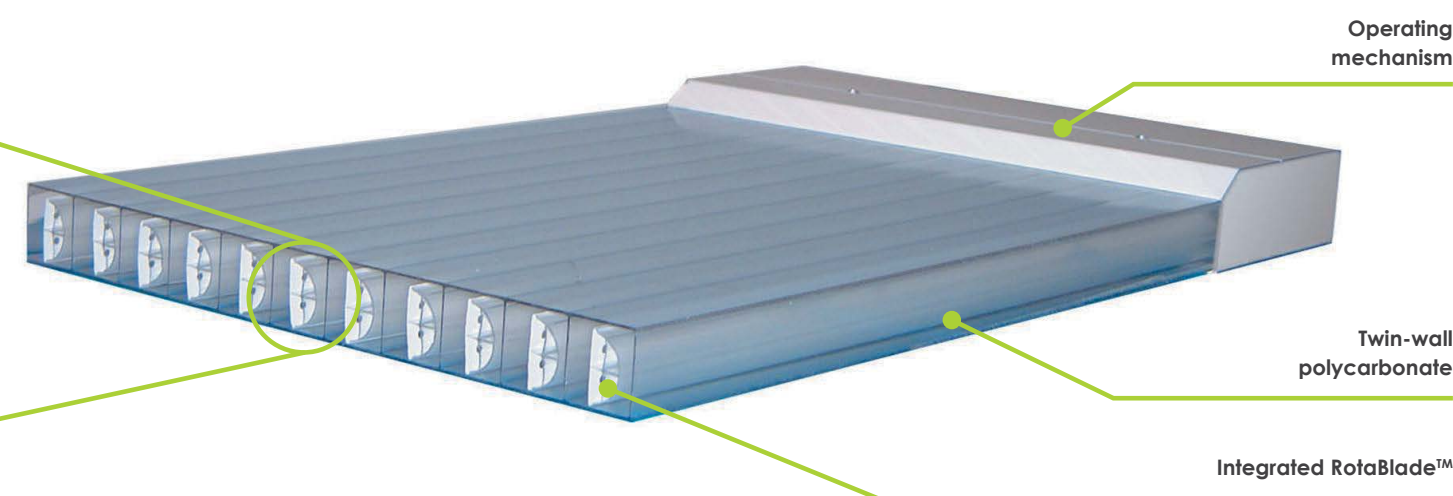
■ Internal sensor that records the interior light intensity

■ User-controlled box to adjust the desired light intensity



Opaque face

Translucent half cylinder body



Operating mechanism

Twin-wall polycarbonate

Integrated RotaBlade™

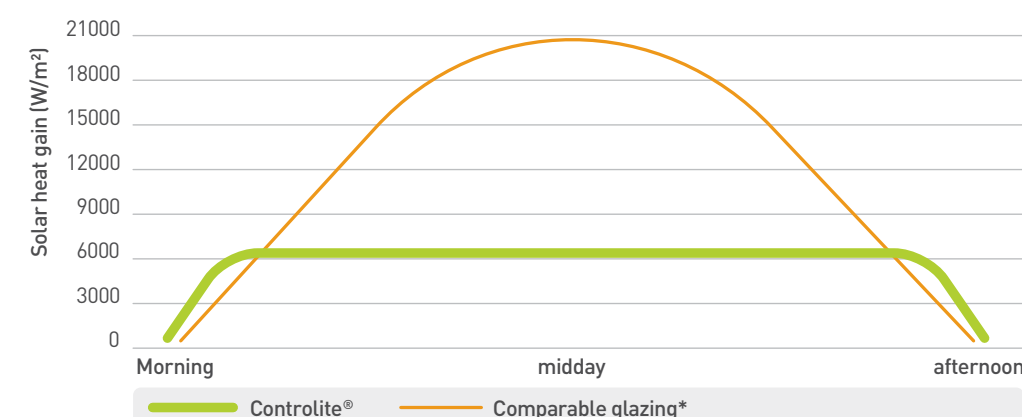
LIGHT DISTRIBUTION: OPENED 60%, CLOSED 6%



Fully opened



Fully closed



*Comparable glazing :
30% insulation, Low E-Glass,
or 25mm opal multiwall
polycarbonate

CONTROLITE® ROOF

New zenith lighting concept – enjoy natural light by controlling light intensity and solar gain for increased comfort.

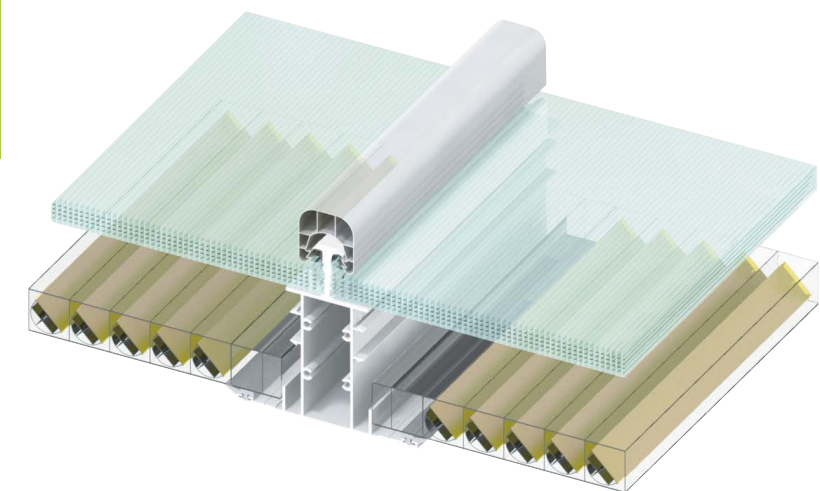


Innovative CONTROLITE® Z+

- EXCELLENT HEAT INSULATION
- SOLAR FACTOR LIMITATION
- GOOD SOUNDPROOFING CAPABILITIES

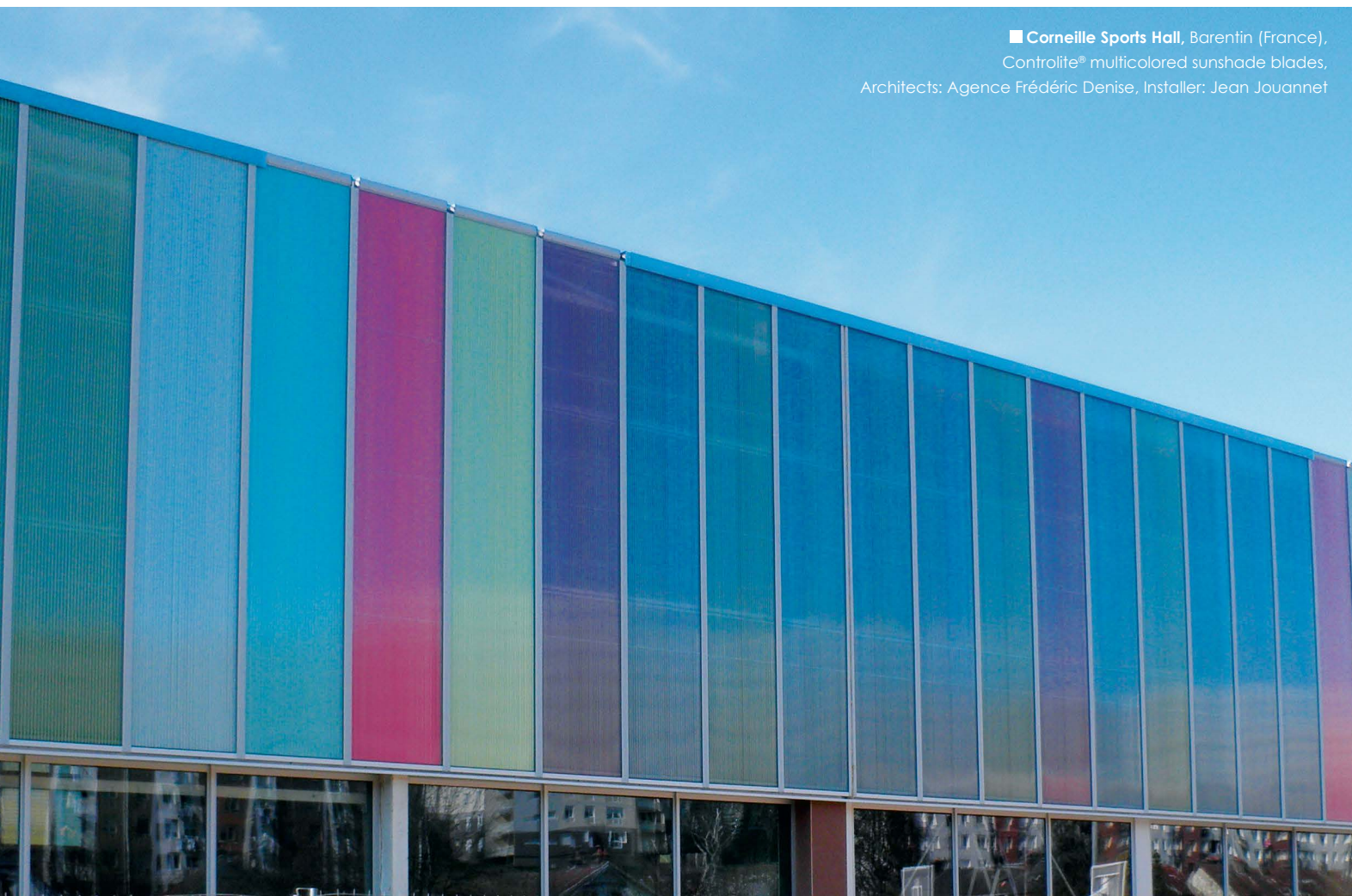
■ Controlite® Z+, exclusive zenith lighting system made up of a Danpalon® 16 and Controlite® double layer that provides excellent heat insulation and optimised solar control. Opt for the versatile Controlite® Z+ roof.

+ HEAT AND
SOUND INSULATION



CONTROLITE® FACADE

Dynamic and original, the Controlite® facades regulate interior solar gain and provide the building with an appealing versatile look



■ **Corneille Sports Hall**, Barentin (France).
Controlite® multicolored sunshade blades,
Architects: Agence Frédéric Denise, Installer: Jean Jouannet



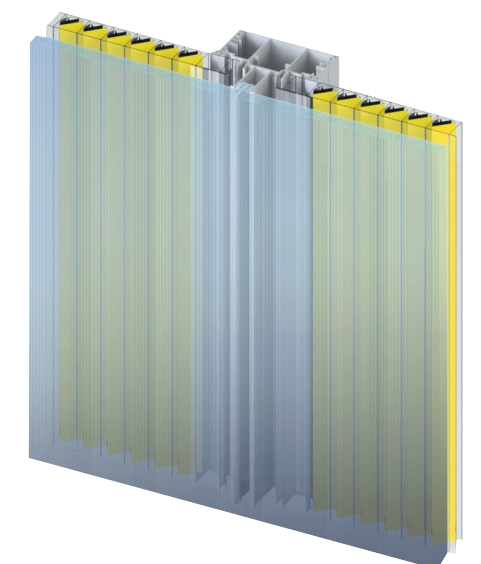
■ **Renoir School**, Paris (France).
Controlite® multicolored sunshade blades,
Architects: Lipsky Rollet, Installer: Setal

Innovative CONTROLITE® W+

- EXCELLENT HEAT INSULATION
- SOLAR GAIN OF OPTIMISATION
- SOUND COMFORT
- INVISIBLE STRUCTURE

■ The new Controlite® W+ unique facade system is made up of double-layered panels that merge the Controlite® solar control capacities with the Danpalon® heat control capabilities. Get insulating smart facades

+ HEAT AND
SOUND INSULATION

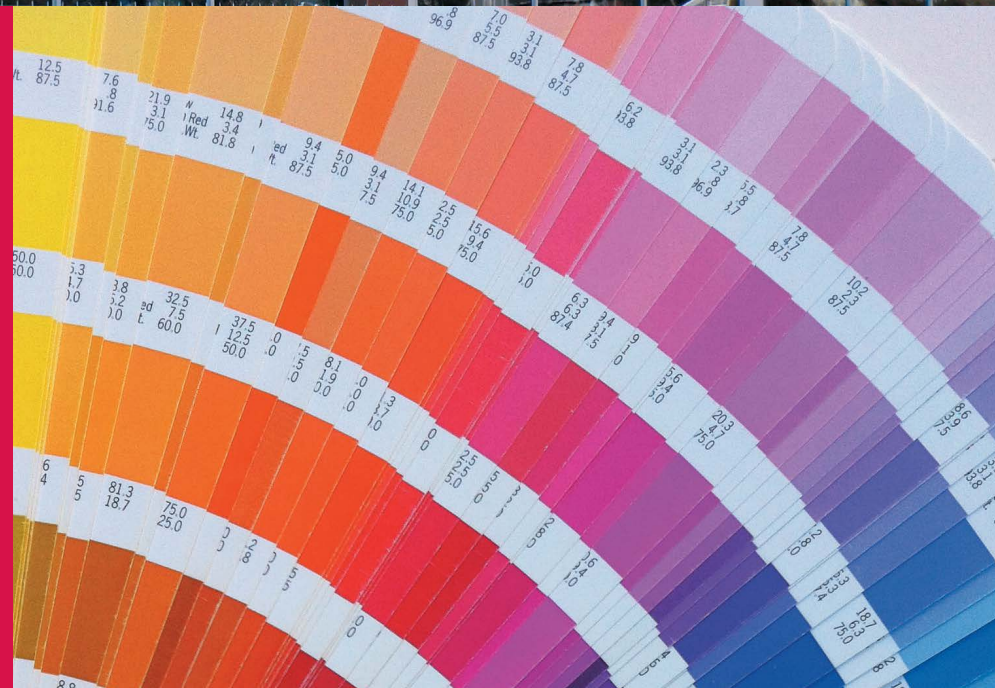


CUSTOMISED QUALITY FACADES

■ CONTROLITE®
CUSTOMISES
YOUR FACADES

thanks to the sunshade blades available in all colour ranges*. When closed, the blades provide a colourful facade. When open, they diffuse light to your interior and the facades become transparent.

* Please contact us for delivery conditions and terms



TECHNICAL FEATURES

CONTROLITE®						
System	Simple skin		Double skin Roofing Z+		Double skin Wall W+	
Sunshade blades position	Open	Closed	Open	Closed	Open	Closed
Number of walls	2		6 + air gap + 2		6 + air gap + 2	
Thickness (mm)	30		16 + 50 + 30		16 + 19 + 30	
Width (mm)	1000		1050		1040	
Length	Standard up to 9 m		Standard up to 9 m ⁽¹⁾			
Weight of the panels (kg/m²)	5,5		14,5			
Fire resistance ⁽²⁾	B - s1, d0					
Ug (W/m².K) (according to Th - U rules)	1,8	1,7	1	0,9	1	0,9
Spanning (maximum) (m) ⁽³⁾	2,4		5			
Minimum roof slope	14° (or 25%)		5° (or 9%) ⁽⁴⁾		-	
Soft and hard body impact	-		-		D1 - 10 J; M50 - 300 J; M50 - 400 J	
Non - fragility	Roofing: 1200 J - Class B		Roofing: 1200 J - Class B		Facade: 600 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) 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

(4) Individual assessment for lower slope

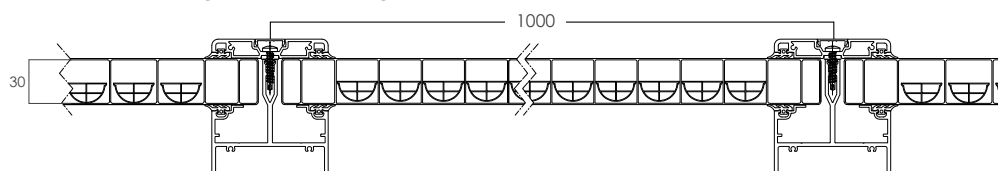
CE marking in accordance with EN 16153

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

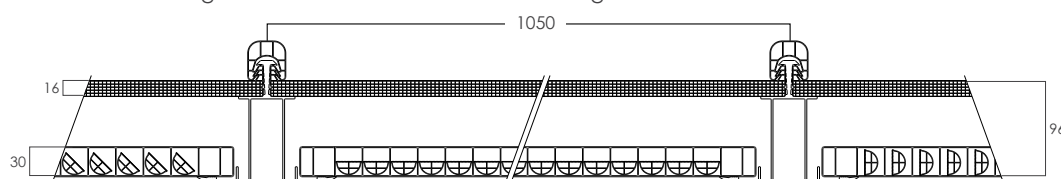
Registered trademarks: EVERLITE CONCEPT national number: 12 3 958 822 - SOFLITE national number: 12 3 958 826

VERTICAL SECTION

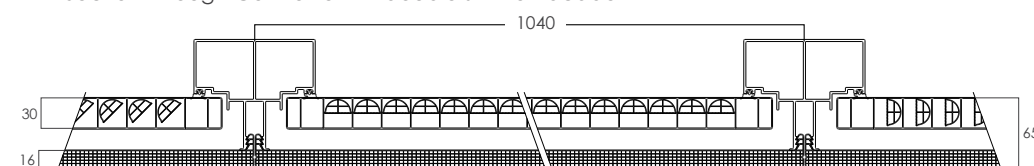
Section through Controlite® single skin



Section through Controlite® Z+ double skin for roofing



Section through Controlite® W+ double skin for facade



EVERLITE

View all of our systems at WWW.EVERLITECONCEPT.COM

EVERLITE CONCEPT S.A.S, 2-6, rue Condorcet, 91353 Grigny Cedex,
France - T: +33 (0)1 69 02 85 85, everlite.concept@everlite.fr

Design & execution: www.thinkadcom.com - Ref.: PRO798 - Non-contractual document - January 2015
Certain products are not readily available in stock. Please contact us for delivery conditions and terms. Sale reserved for professionals.