



## **Multiwall Polycarbonate Sheets and Systems**

Enlight Your Projects

**AkyVer**<sup>®</sup>Sun Type

**AkyVer**<sup>®</sup>Panel

**AkyVer**<sup>®</sup>Connect

**akyver**<sup>®</sup>

# EXPERTISE

## More than 40 Years of Expertise.

**AkyVer®** is a complete range of multiwall polycarbonate sheets and systems. For more than 40 years, **AkyVer®** has been able to combine the quality of its products together with technical performance and aesthetic design to meet a variety of architectural projects.



› More than 40 years of expertise

AkyVer® brand expresses durability and quality proven over the years through long term partnerships with our customers.



› Dedicated sales and technical experts

Our team of experts accompany you from your project to the realization on site.



› Local Production International scope

With production based in Nera Montoro, in Italy, Exolon Group serves the whole of Europe and beyond.

## High Environmental Quality

“Closing the Loop” is a program which we have initiated to minimize waste throughout the value chain. Many of our dealers and processors already salvage their scrap and waste, supplying these to recycling companies from which we obtain high-quality material. New partners are always welcome, as recycle is unfortunately still a scarce resource today.

## Closing the Loop – with the Exolon Group



ISO 14001  ENVIRONMENTAL MANAGEMENT

# OVERVIEW

## AkyVer® Sun Type SHEETS

2 walls



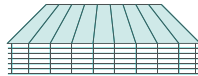
Ceilings, inside space dividers, greenhouses, swimming pool covers

4 walls



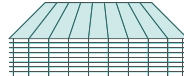
Skylights, industrial greenhouses

7 walls



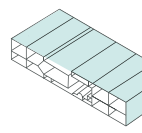
Skylights, stadiums

10 walls

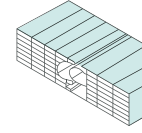


Wintergarden, verandas

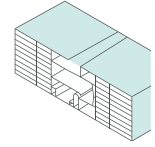
## AkyVer® Panel CLIP SYSTEMS



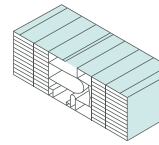
Panel 40-3



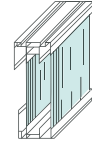
Panel 40-8



Panel 50



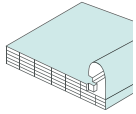
Panel 60



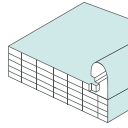
PanelTherm

New or renovation claddings, facades, sheds, for industrial, sport, commercial, logistic, fire station buildings.

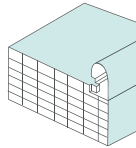
## AkyVer® Connect SYSTEMS



Connect 16



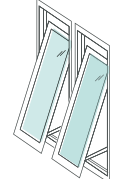
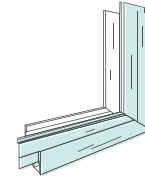
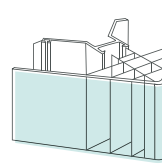
Connect 25



Connect 40

New or renovation claddings or roofing, Sheds, ventilated facades for industrial Sport, commercial, logistic buildings, fire station buildings.

## AkyVer® Prime

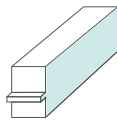


Windows, Alu and polycarbonate corners

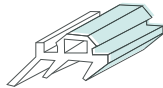
Help for installation to complete the range and to facilitate your fittings

## AkyVer® ACCESSORIES

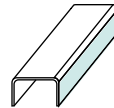
PE foam



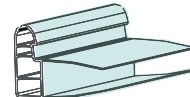
Sealing



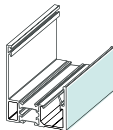
Link Plate



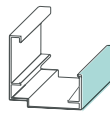
End profile



Thermal brake profile



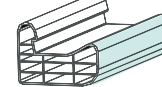
Cold profile



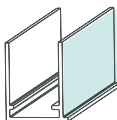
Closing part



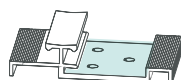
Start profile



Sheet plug



Hooks



Connector



Retaining bracket





# AkyVer® Sun Type

Polycarbonate  
multiwall sheets

From 4mm (2 walls)  
to 50 mm (10 walls)

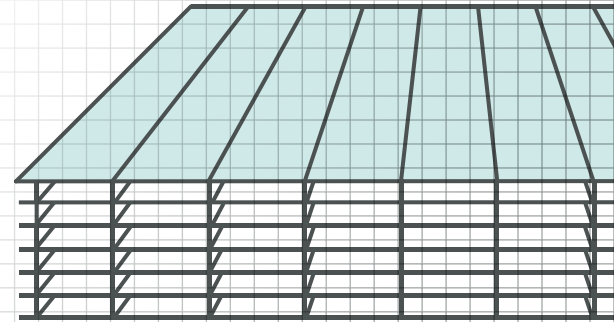


# AkyVer® Sun Type

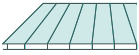
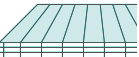
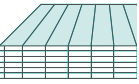
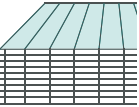
Polycarbonate multiwall sheets offer thermal insulation, lightness, cold bending possibility and impact resistance.

Thanks to extra anti UV treatment by coextrusion, they ensure over time excellent weather and UV rays' resistance. They provide as well highly stable mechanical properties.

The highest balance between thermal insulation, light transmission and mechanical performance



## › Technical Characteristics

	Thickness (mm)	Weight (g/m <sup>2</sup> )	Thermal insulation (W/m <sup>2</sup> . °C)	Light Transmission CLEAR (%)	Light Transmission OPAL (%)
 2 walls	4	800	3.9	84	64
	6	1300	3.6	82	63
	8	1500	3.4	82	61
	10	1700	3.1	81	60
	16	2400	2.4	78	58
 4 walls	10	1750	2.5	62	56
	16	2600	<1.8	58	54
 7 walls	20	2800	1.5	58	54
	25	3400	<1.4	56	52
	25	3400	<1.4	52	46
 10 walls	32	3500	<1.1	52	44
	40	4000	<1.0	50	41
	50	4500	0.8	48	35

# AkyVer®

## Panel + PanelTherm

AkyVer® Panel 40-3W  
AkyVer® Panel 40-8W  
AkyVer® Panel 50-10W  
AkyVer® Panel 60-12W

Multi-wall polycarbonate  
clip-on systems



# AkyVer® Panel

Clip-on polycarbonate multiwall system from 3 to 12 walls. High light transmission and quick to install.

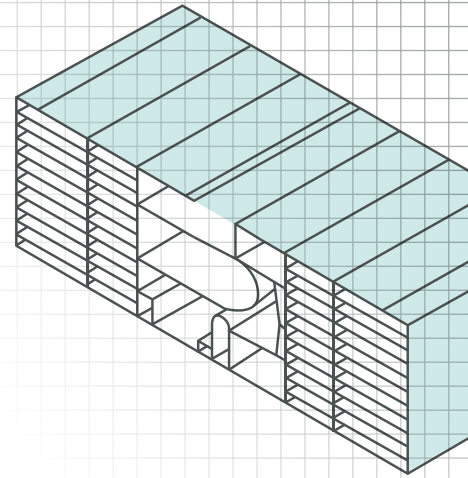
- > Airtightness
- > Excellent load capacity
- > Fast fitting

# AkyVer® PanelTherm

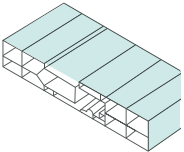
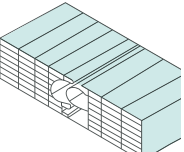
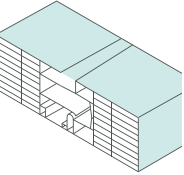
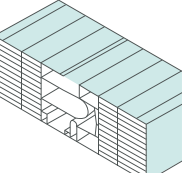
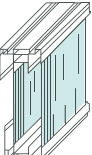
Clip systems double or triple-skin in multiwall polycarbonate.

- > Record thermal insulation
- > High acoustic insulation
- > Meets HQE standards

Let the natural light in your buildings!



## > Technical Characteristics

		Thickness (mm)	Weight (g/m <sup>2</sup> )	Thermal insulation (W/m <sup>2</sup> . °C)	Light Transmission (%)	
	Panel 40-3	40	3500	1.7	Trans	72
					Opal	48
	Panel 40-8	40	4000	0.98	Trans	52
					Opal	36
	Panel 50-10	50	5000	0.83	Trans	43
					Opal	28
	Panel 60-12	60	5800	0.75	Trans	42
					Opal	26
	Panel Therm Standard/Acoustic	130 (142mm profile width)	8000 8800-17600	0.51 0.50	Trans	25 19



# AkyVer® Connect

AkyVer® Connect 16

AkyVer® Connect 25

AkyVer® Connect 40

Multi-wall polycarbonate  
connectable systems

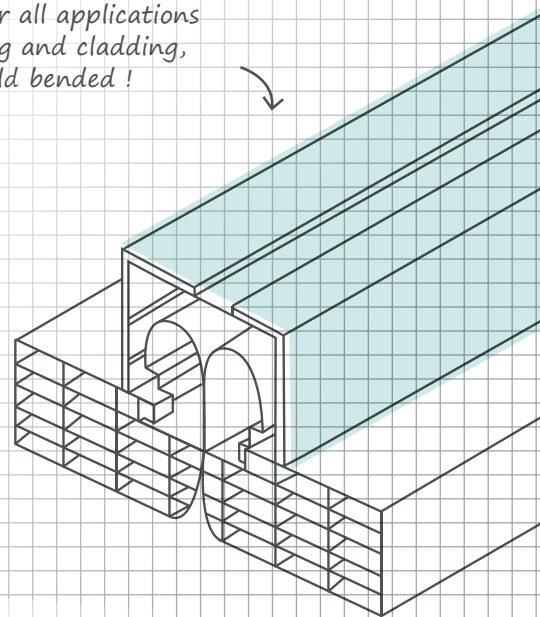


# AkyVer® Connect

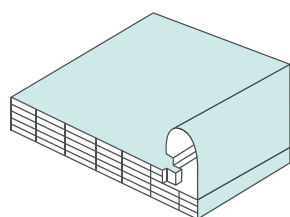
Connectable systems in multi-wall polycarbonate. Complete range of aluminium and thermal break sections.

- › Accessories for fast, professional fitting
- › Bendable

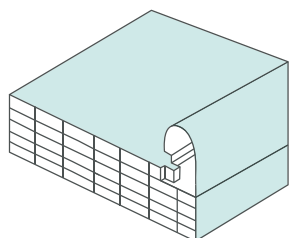
*The solution for all applications such as roofing and cladding, flat or cold bended !*



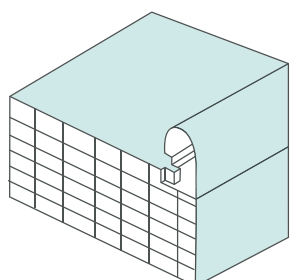
## › Technical Characteristics



Connect 16



Connect 25



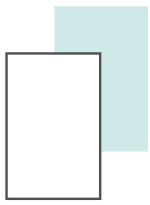
Connect 40

	Thickness (mm)	Weight (g/m <sup>2</sup> )	Thermal insulation (W/m <sup>2</sup> . °C)	Light Transmission (%)	
Connect 16	16	3200	1.8	Trans	59
				Opal	41
Connect 25	25	3600	1.4	Trans	55
				Opal	35
Connect 40	40	4400	1.0	Trans	53
				Opal	37



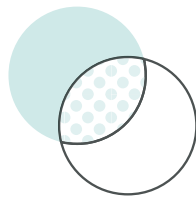
# AkyVer® Finishes





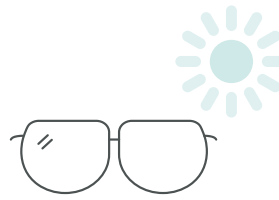
> **Duocolor**

Two colours one the same sheet (internal/external)



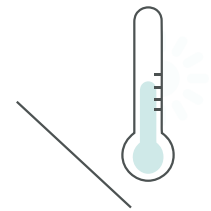
> **LiteStop**

Completely opaque  
Reduced greenhouse effect  
Reduced thermal expansion



> **Anti-dazzle**

High visual comfort  
Reduced dazzle



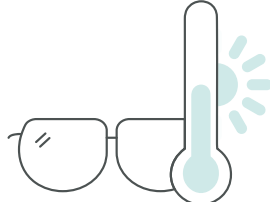
> **IR control**

Reduced greenhouse effect



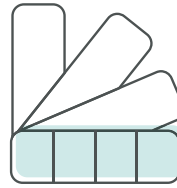
> **Iridescent Heat Block**

Reduced greenhouse effect, creative effect or iridescence



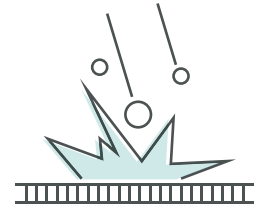
> **Comfort T**

Reduced greenhouse effect  
Reduced dazzle



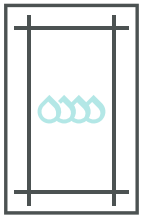
> **Colours**

Creative effect on your buildings



> **HR (Hail Resistant)**

High resistance to hail  
Uv reinforced  
Fully guarantee for 10 years



> **Silk-screen**

Creative effect for unique building



> **Anti-Graffiti**

Facilitates the cleaning of graffiti on your buildings and protects against abrasion

> **Technical Characteristics**

	AkyVer® Sun Type	AkyVer® Panel				AkyVer® PanelTherm		AkyVer® Connect		
Type of finishes	4 -50	P40-3W	P40-8W	P50	P60	-	C16	C25	C40	
Colours	•	•	•	•	•	•	•	•	•	
Duocolor				•	•		•	•	•	
LiteStop	•			•	•		•	•	•	
Anti-Dazzle	•	•	•			•				
Anti-Dazzle Frosted				•	•		•	•	•	
HR High Hail Resistance	•									
IR Control	•		•			•				
Heat Block				•	•		•	•	•	
UV 2 sides	On request						•	•	On request	
Confort T	•	•	•	•	•	•	•	•	•	
Anti-Graffiti	•	•	•	•	•	•	•	•	•	
Silk-screen	•	•	•	•	•	•	•	•	•	

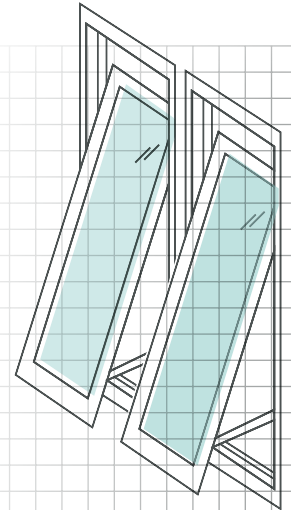
## AkyVer® Windows with thermal break

Various methods and directions of opening

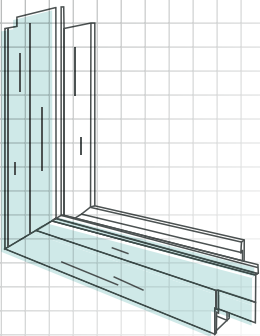
Very resistant to extreme climate conditions.

Specially designed for integration with our **AkyVer® Panel** and **AkyVer® Connect** systems

- › Thermal break profiles for energy efficiency
- › Durable and lightweight structure.
- › Fast and easy to install, reducing the cost of installation.
- › Pre-glazed or can be installed at the site.



## AkyVer® Corner profile



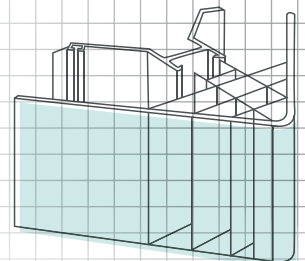
### Aluminium corner systems

This turnkey solution helps during the installation to avoid waste of time in corner cuts.

### Polycarbonate corner systems

Its translucent properties offers the unique opportunity to have an impactful building design and many advantages such as :

- › Aesthetical design
- › Fast and easy installation
- › Compatibility with all thicknesses of **AkyVer® Panel** range



## CONTACT



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