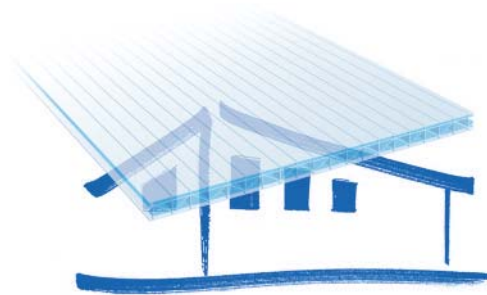


Akyver[®] Sun Type Specialities

Polycarbonate Multi-Wall Sheet



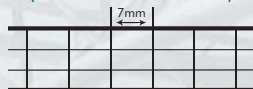
Light specialities for each application

Advantages New Structures

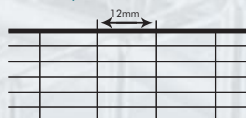
- Extreme Thermal insulation
- Better Rigidity and mechanical properties
- Optimisation of the fitting into the profile
- Optimisation of bending capacity



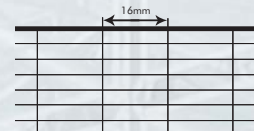
4 Walls
10 & 16 mm
(8 mm on demand)



7 Walls
16, 20 & 25 mm



8 Walls
32 mm



Akyver[®] Confort plus

Advantages

Reflective coating

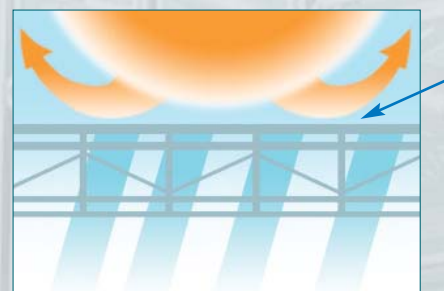
The sheets are also anti-UV protected, with a reflective coating of metal particles incorporated in the coextrusion.

Apart from the advantages of Akyver Sun Type[®] sheets Akyver[®] Confort plus products reduce the quantity of transmitted solar energy by decreasing the diffusion of the near infrared rays.

Test report CEBTP B 232-0-327 (08/2000).

Akyver[®] Sun type range specialities are particularly designed for outdoor applications of cladding and roofing.

Reflective coating



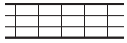

BUILDING SOLUTIONS

www.kaysersberg-plastics.com

KaysersbergPlastics

Technical characteristics

Akyver®

	 4 Walls	 8 Walls	
Thickness (mm)	10	16	32
Standard width (mm)	1050, 2100	2100	1220
Grades (gsm)	1900, 1750	2500	3600
K Coeff. (W/sm.°C)*	< 2,5	2,0	< 1,2
Fire classification (European norm)	B-s1, d0	B-s1, d0	B-s2, d0
Colours**	Trans Opal	Trans Opal	Trans Opal
Light transmission (%)	73 57	70 48	70 43

7 Walls

	16	20	25
Thickness (mm)	16	20	25
Standard width (mm)	980, 1050, 1200, 2100	1200, 2100	1200, 2100
Grades (g/gsm)	2600	2900	3300
K Coeff. (W/sm.°C)*	< 1,8	< 1,6	< 1,5
Fire classification (European norm)	B-s1, d0	B-s1, d0	B-s2, d0
Colours**	Trans Opal	Trans Opal	Trans Opal
Light transmission (%)	64 54	64 54	64 50

* DS SMITH KAYSERSBERG value

** Other colours (bronze, green, blue): on demand

Akyver® Confort plus

	4 Walls	7 Walls
Thickness (mm)	10	16
Standard width (mm)	2100	1200, 2100
Grades (g/gsm)	1900	2800
K Coeff. (W/sm.°C)	< 2,5	< 1,8
Fire classification (European norm)	B-s1, d0	B-s1, d0
Colours	Opal	Opal
Light transmission (%)	52	50
Solar factor	0,51	0,48
Sound isolation (Rw : dB)	17	21

Table of load

Akyver® 4 Walls

Length of sheets in mm for a width of 1050 mm

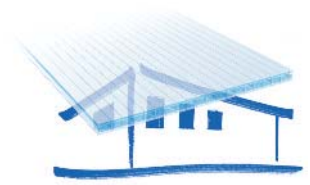
Thickness (mm)/grades (g/m ²)	10-1750	10-1900	16-2500
Overload			
750 N/m ²	1800	2200	3600
900 N/m ²	1500	1600	2500

Akyver® Confort plus

Length of sheets in mm. Overload 750 N/m²

Width (mm)	700	980	1050	1200
Thickness (mm)				
10 4 walls	4000	2000	2200	
16 7 walls	> 6000	4200	3500	2500
32 8 walls	> 6000	> 6000	> 6000	5600

10 year guarantee. Akyver® Sun Type sheets at least 6 mm thick are covered by the Kaysersberg Packaging®, ten year guarantee.

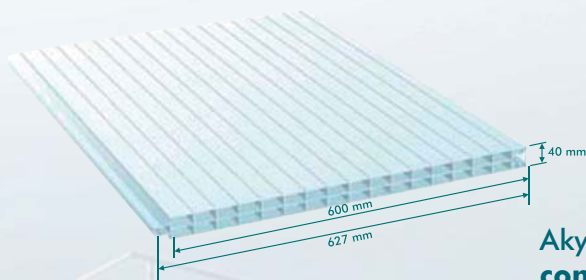


Technical approval
CSTB GS2,
conform to SOCOTEC
1200 joule test.

Akyver[®] Panel 40

Advantages

- For cladding applications and sheds
- Excellent thermal insulation (1,7 W/m².°C)
- Excellent water tightness when clipped into place
- **Rigidity:** its 40 mm thickness gives it good load capacity
- **Easy assembling**

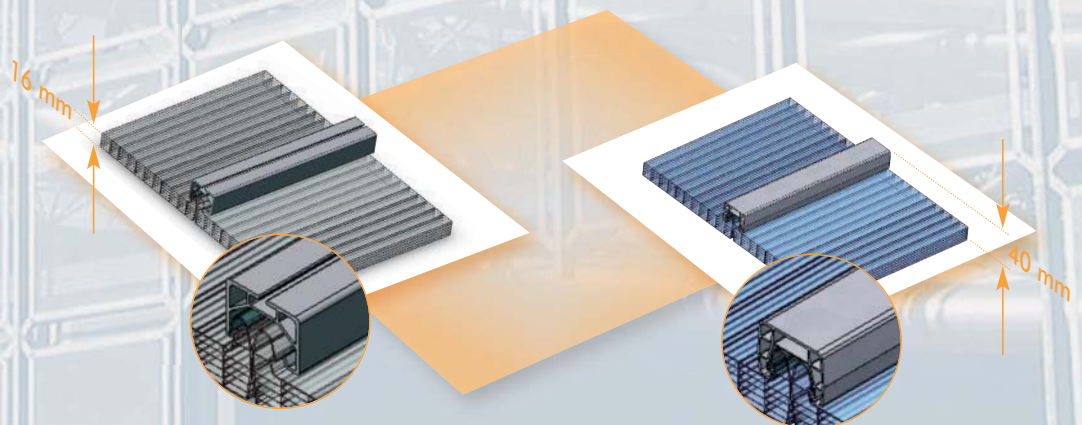


Akyver[®] Panel 40 and connect 16[®] sheets supplied with a **complete range of aluminium profiles and accessories** are forming a clip-on system ideal for new cladding or renovating industrial and storage buildings.

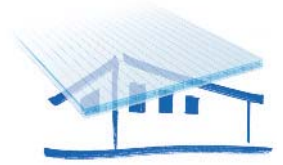
Akyver Connect[®] 16

Advantages

- Designed for outdoor roofing and cladding
- Can be used flat or bended
- UV protection on both sides
- Reflective coating incorporated in the coextrusion; Solar heat reduction (on request)



Technical characteristics



	Akyver® Panel 40		Akyver® Connect 16 6 Walls	
Thickness (mm)	40		16	
Usable width (mm)	600		630	
Length (mm)	6000 or 7000		6000 or 7000	
Grade (gsm)	3500		3200	
Colour	Trans	Opal	Trans	Opal
Light transmission (%)	72	57	64	46
Fire classification (European norm)	B-s1, d0		B-s2, d0	

Thermal insulation

K Coeff. (W/m ² .°C)*	1,7	< 1,8
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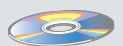
* Value R&D DS SMITH KAYSERSBERG

Other characteristics

UV protection	by coextrusion on the external surface (identified by the blue film)	by coextrusion on the external and internal surfaces
Ball-shot resistance	according to DIN 18032-T3	according to DIN 18032-T3
Index of acoustic attenuation	22 dB (A)	22 dB (A)
Minimum slope for installation	0° to 60° (15° according to CSTB) from the vertical	5° from the horizontal
Bending radius	—	4000

10 year guarantee (guarantee file on request)

Technical instructions for specialities and Akyver® Panel, for fitting sheets and accessories, available on CD ROM



Akyver® Sun Type Specialities

Kaysersberg Plastics products

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The information contained in this document is for information purposes and is non-contractual. The manufacturer reserves the right to change the product and its technical characteristics. This information has been supplied in good faith and does not in any way constitute a guarantee for specific conditions of use.

DS SMITH KAYSERSBERG - Établissement Plastiques - SAS au capital de 53 816 000 € - RCS COLMAR 572 219 202 SIRET 572 219 202 00072

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