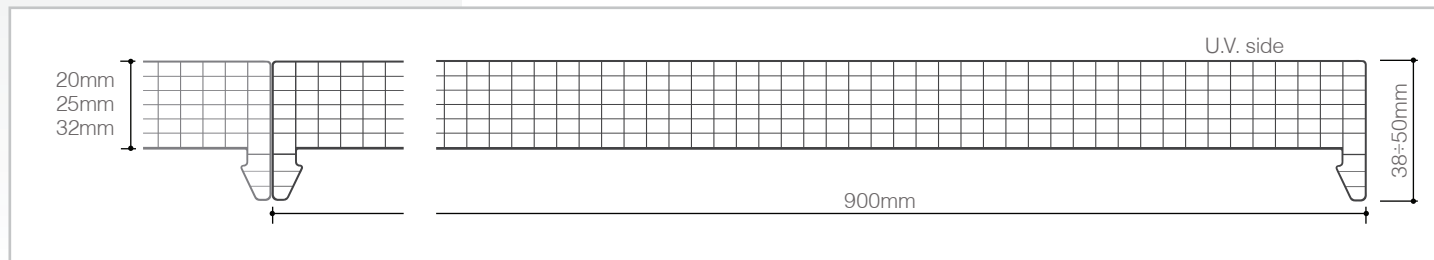


2.2 MODULAR CONNECTOR SYSTEMS

arcoPlus®
9207 | 9257 | 9327
20mm | 25mm | 32mm



PROFILES



Modular system of UV protected multiwall polycarbonate for translucent curtain walls and roofing



SPECIAL TREATMENT

PRODUCTION STANDARDS

| | |
|-------------------------|-------------|
| Thickness | 20-25-32mm |
| Structure | 7 walls |
| Effective modular width | 900mm |
| Panel length | no limit |
| Colours available | see page 11 |

TECHNICAL FEATURES

| | |
|--------------------------|-----------------------------------|
| Thermal insulation | 1,7-1,4-1,3 W/m²K |
| Acoustic insulation | 20 dB (9207-9257) 21 dB (9327) |
| Linear thermal expansion | 0,065mm/m°C |
| Temperature range | -40°C +120 °C |
| U.V. rays protection | Coextrusion |
| Fire reaction EN 13501-1 | EuroClass B-s1,d0 |

DESCRIPTION





arcoPlus®9207-9257-9327 are three modular systems consisting of co-extruded 7 walls polycarbonate panels with thicknesses of 20-25 or 32mm with 900mm module, assembled using a click-on system to aluminium profiles.

Used for vertical glazing, flat roofing (min. slope 5%) and curved roofing (minimum radius 4,0m with 20mm thickness).

ADVANTAGES

- ❖ Easy and low-cost installation
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Heat insulation
- ❖ Self-supporting

APPLICATIONS

-  Cladding
-  Vertical glazing
-  Self supporting roofing
-  Curved roofing

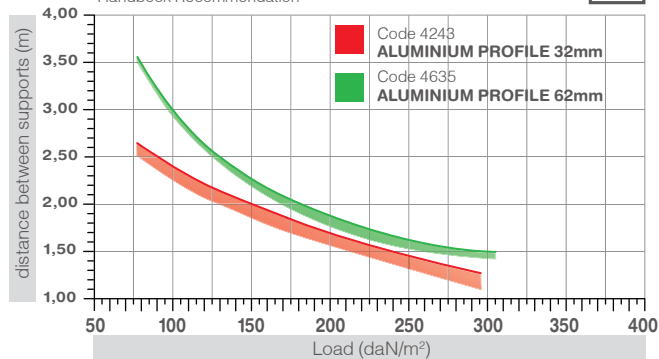




STRAIGHT SYSTEM LOAD RESISTANCE

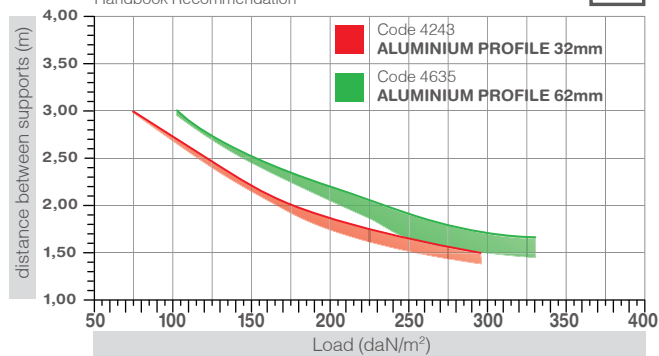
Maximum loads on two supports

Values below refer to product installed according to the Technical Handbook Recommendation



Maximum loads on more supports

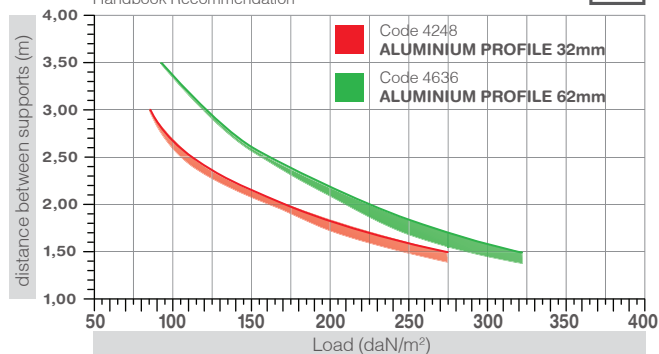
Values below refer to product installed according to the Technical Handbook Recommendation



CURVED SYSTEM LOAD RESISTANCE

Maximum loads on two supports R.4.000mm*

Values below refer to product installed according to the Technical Handbook Recommendation



*only for th.20mm. For higher thickness refer to the straight system

EASY AND LOW-COST INSTALLATION

The 7 walls design with snap-on connection to open joint tubes gives the panel remarkable flexural strength. It is suitable for vertical curtain walls and large areas of self-supporting roofing without the use of section-breaker profiles.

The snap-on connection and complete range of accessories and aluminium perimeter profiles combine to guarantee a perfectly watertight seal and considerable wind load resistance.

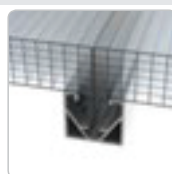
arcplus® SERIE 900

9327 th.32mm
9257 th.25mm
9207 th.20mm

NOTE

The capacity curves show the minimum and maximum value according to the type of coupling used. This data refers to the value of the load resistance for the various thicknesses.

— th.32mm —
— th.20mm —



Code 4243 (straight)
ALUMINIUM PROFILE
32mm



Code 4635 (straight)
ALUMINIUM PROFILE
62mm



Code 4248 (curved)
ALUMINIUM PROFILE
32mm



Code 4636 (curved)
ALUMINIUM PROFILE
62mm

ACCESSORIES



4243 (straight)
4248 (curved)

aluminium profile 32mm



4244 (straight)
4249 (curved)

Gabled AL profile



4635 (straight)
4636 (curved)

aluminium profile 62mm



4271

Base-side AL profile
with frontal opening



4252

Closing
support in AL



4588

Corner profile
in AL



4589

End profile
in AL



2179 th.20 mm
2714 th.25 mm
2710 th.32 mm

Start profile in polycarbonate



2180 th.20 mm
2716 th.25 mm
2712 th.32 mm

End profile in polycarbonate



2550

Corner profile
in AL



4465 dim. 40x35x875
4476 im 70x40x870

Pad PE-LD



4327

Additional tape



4668/900/TR th.20mm
4730/900/TR th.25mm
4732/900/TR th.32mm

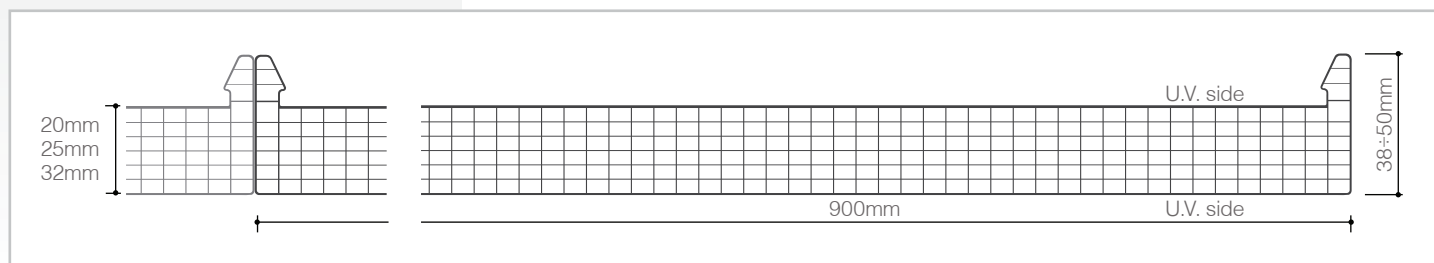
Block cover AL Reverso

2.2 MODULAR CONNECTOR SYSTEMS

arcoPlus®
Reverso 9207 | 9257 | 9327
20mm | 25mm | 32mm



PROFILES



**Modular system
of bi-protected
multiwall
polycarbonate for
translucent roofing
applications**



SPECIAL TREATMENT

PRODUCTION STANDARDS

| | |
|-------------------------|-------------|
| Thickness | 20-25-32mm |
| Structure | 7 walls |
| Effective modular width | 900mm |
| Panel length | no limit |
| Colours available | see page 11 |

TECHNICAL FEATURES

| | |
|--------------------------|-----------------------------------|
| Thermal insulation | 1,7-1,4-1,3 W/m²K |
| Acoustic insulation | 20 dB (9207-9257) 21 dB (9327) |
| Linear thermal expansion | 0,065mm/m°C |
| Temperature range | -40°C +120 °C |
| U.V. rays protection | 2 sides Coextrusion |
| Fire reaction EN 13501-1 | EuroClass B-s1,d0 |



DESCRIPTION

arcoPlus®9207-9257-9327 reversò are three modular systems consisting of co-extruded 7 walls polycarbonate panels with thicknesses of 20-25 or 32mm with 900mm module. These are fixed to the existing structure using specific anchor brackets. The panels are joined together by a protected polycarbonate cover plate assembled using a click-on system, or by an aluminium connector, for a perfectly watertight seal.

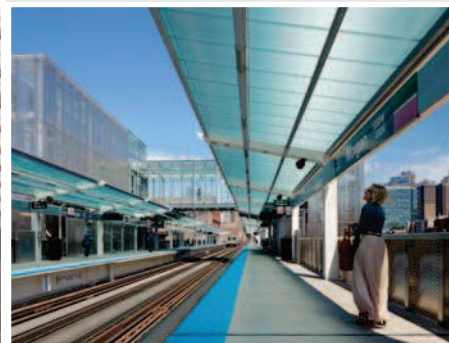
ADVANTAGES

- ❖ Easy and low-cost installation
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Heat insulation
- ❖ Bendability R.min = 4,0m

APPLICATIONS

-  Translucent roofing
-  Curved roofing

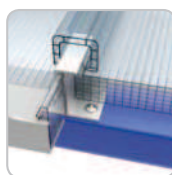
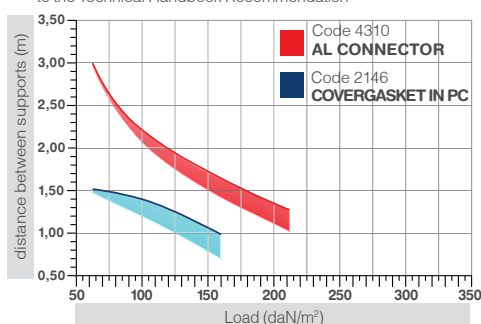




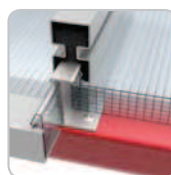
FLAT SYSTEM LOAD RESISTANCE

Maximum loads on two supports

Values below refer to product installed according to the Technical Handbook Recommendation



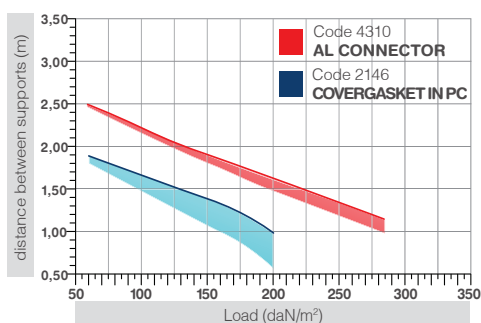
Cod. 2146
**POLYCARBONATE
COVERGASKET**



Code 4310
**ALUMINIUM
CONNECTOR**

Maximum loads on more supports

Values below refer to product installed according to the Technical Handbook Recommendation



arcoPlus®
SERIE 900

9327 th.32mm
9257 th.25mm
9207 th.20mm

NOTE

The capacity curves show the minimum and maximum value according to the type of coupling used. This data refers to the value of the load resistance for the various thicknesses.

— th.32mm
— th.20mm
— th.32mm
— th.20mm

EASY AND LOW-COST INSTALLATION

To ensure compliance with snow load and negative wind load resistance requirements, anchor brackets should be fitted for each purlin. The polycarbonate panels are fastened to the underlying structure using specific brackets, which must be anchored to the purlins using suitable self-drilling/self-tapping screws (on metal structures) and tap bolts (for wooden structures). These screws and bolts are not supplied. Different connector profiles can be used, depending on the required load specifications.

ACCESSORIES

The arcoPlus® system includes a complete range of accessories to facilitate installation. The air cells of the panels must be sealed using a specific polycarbonate profile or vented aluminium breather tape. This allows correct ventilation and prevents soiling on the inside.

ACCESSORIES



4303
Covergasket
stopper



2146
Covergasket
in polycarbonate



2282
Double connector
in polycarbonate



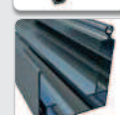
2179 th.20 mm
2714 th.25 mm
2710 th.32 mm
Start profile in polycarbonate



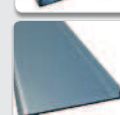
2180 th.20 mm
2716 th.25 mm
2712 th.32 mm
End profile in polycarbonate



4310
Connector AL
profile with screw



4271
Base-side AL profile
with frontal opening



4252
Closing
support in AL



4319/200
AL eclipse
for connector



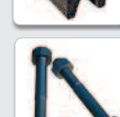
4328 th.20 mm
4710 th.25 mm
4712 th.32 mm
AL plate



4465 dim. 35x40x875
4476 dim. 70x40x870
Pad PE-LD



4318
Pad PE-LD
for connector



4316 M6 nut
4315 M6 x 20 screw
Accessories for connector



4678/900/TR th.20mm
4734/900/TR th.25mm
4736/900/TR th.32mm
Block cover AL Reverso