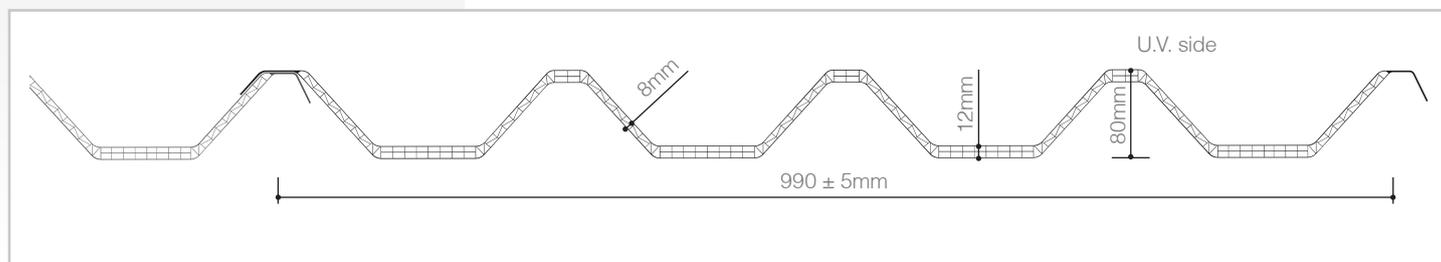


## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoPlus<sup>®</sup>**  
1000



### PROFILE



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

### PRODUCTION STANDARDS

|                   |                 |
|-------------------|-----------------|
| thickness         | variable 8÷12mm |
| profile height    | 80mm            |
| structure         | 3 walls         |
| modular width     | 990 - 1.000mm   |
| colours available | see page 11     |

### TECHNICAL FEATURES

|                             |                        |
|-----------------------------|------------------------|
| Thermal insulation          | 2,7 W/m <sup>2</sup> K |
| Acoustic insulation         | 16 dB                  |
| Linear thermal expansion    | 0,065mm/m°C            |
| Temperature range           | -40°C +120 °C          |
| U.V. rays protection        | Coextrusion            |
| Fire reaction EN 13501      | EuroClass Bs1d0        |
| Accidental shock resistance | 1.200 Joule            |

### DESCRIPTION

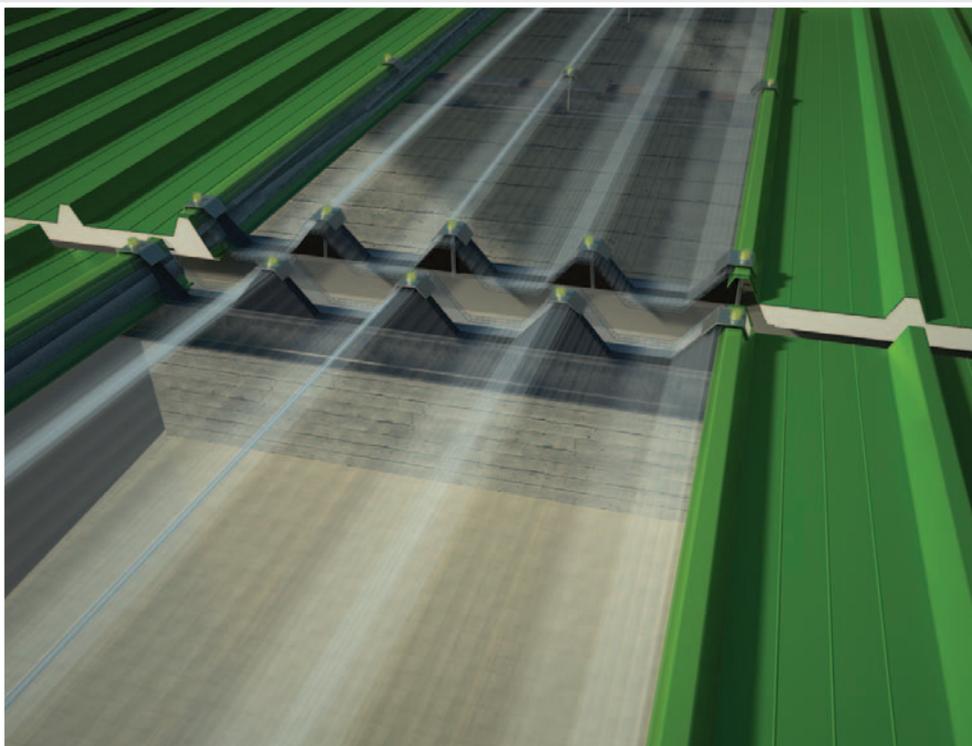
arcoPlus1000<sup>®</sup> is a modular corrugated system consisting of 3 coextruded polycarbonate walls, in 8÷12mm thickness, perfectly overlapping lengthwise and enabling continuous coverage and skylights filled gutter. Considering the linear thermal expansion of polycarbonate, to avoid cracks at the through fixings the recommended maximum length is 5,000mm.

### ADVANTAGES

- ❖ High load resistance
- ❖ Longitudinal overlap
- ❖ Transverse overlap
- ❖ Thermowelded panels
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Heat insulation

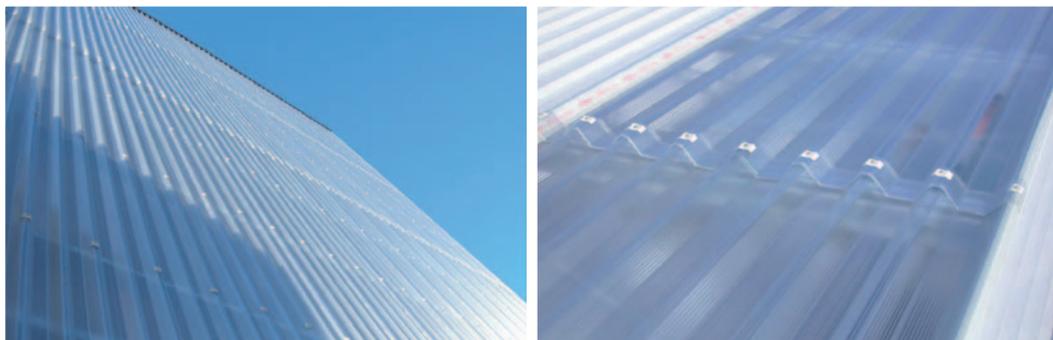
### APPLICATIONS

-  Vertical windows
-  Roofing

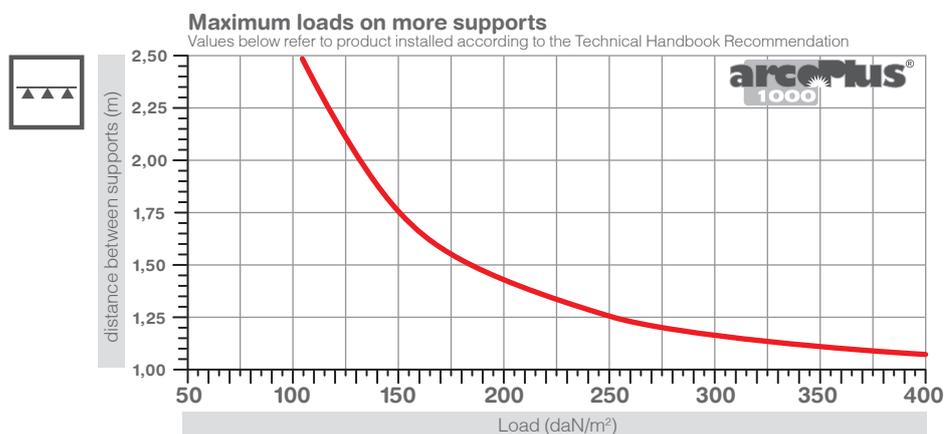


#### SKYLIGHT - PANEL APPLICATION

Construction of skylight with lateral overlapping of insulating roofing panels. Detail of valley gutter.



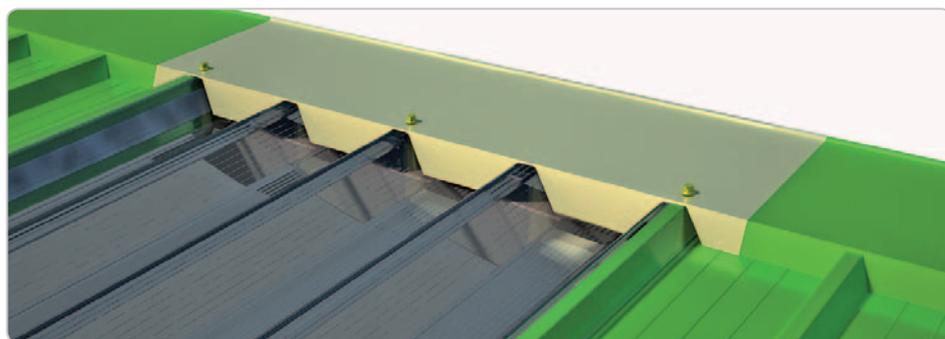
## LOAD RESISTANCE SKYLIGHT - SINGLE PANEL SYSTEM



## SKYLIGHT GUTTER RIDGE APPLICATION

Panels laterally overlapping insulated corrugated metal roofing panels. Thanks to the specific design of the profile the system is perfectly compatible for overlapping all the main types of panel.

Minimum slope 5%.



### SHEET METAL RIDGE

Pre-painted galvanized steel sheet ridge profile, consisting of two half-ridges

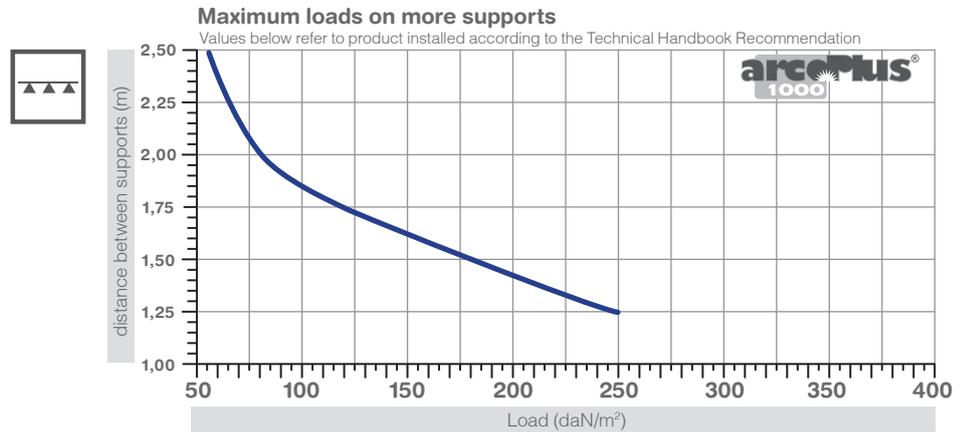


### COVER FOOT

Detail of lateral overlapping with insulated metal panels. Fastening of cover foot.



## LOAD RESISTANCE OF MULTIPLE PANEL CONTINUOUS ROOFING SYSTEM



### APPLICATION ON CONTINUOUS ROOFING

Construction of continuous roofing/  
wall with continuous lateral overlap-  
ping of polycarbonate panels.

For roofing, recommended mini-  
mum slope 7%.



#### CONTINUOUS ROOFING

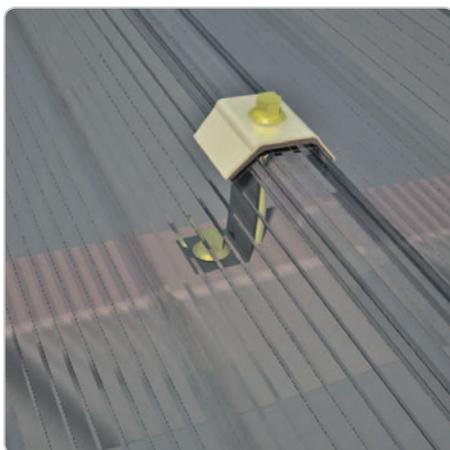
Construction of continuous translucent roofing,  
with overlapping of panels. Recommended  
minimum slope 7%.



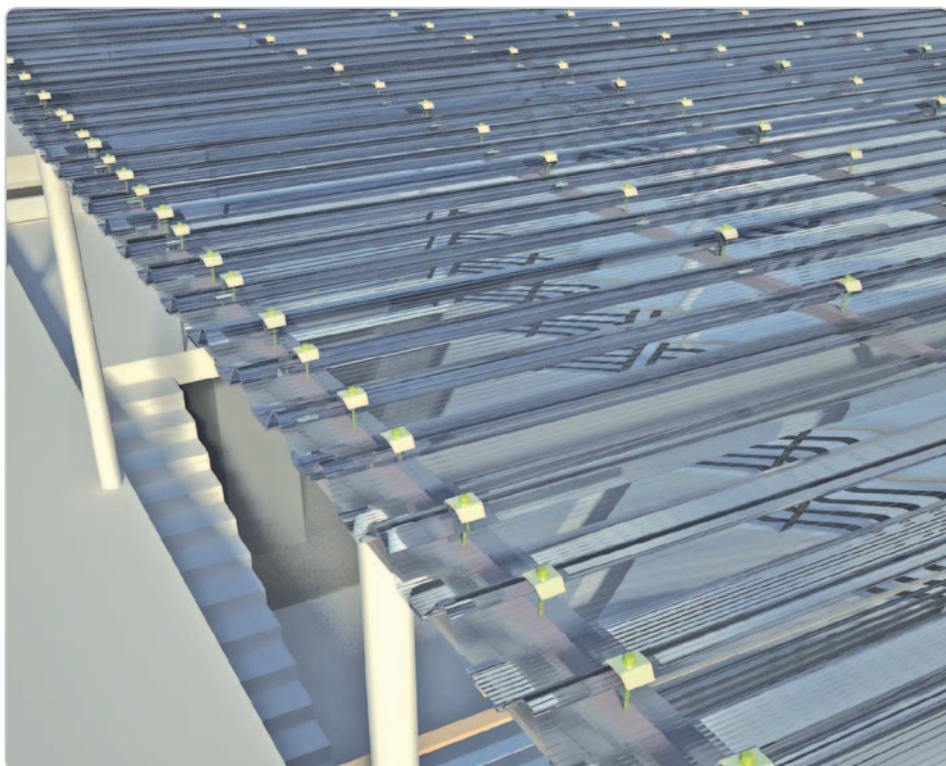
## ACCESSORIES

arcoPlus®1000 is a complete system for the construction of translucent curtain walls/roofing. It includes a range of accessories that make it suitable for all purposes. In addition to complete fastening assemblies, the system includes a tongue and groove seal, a flat strip for sealing overlap areas, a range of steel profiles including bracing brackets, and a special press-formed profile to be inserted as a reinforcement on the groove side of the panel. For continuous roofing the panels are arranged with a continuous lateral overlap.

A flat ridge to place over the adjacent ridge profiles completes the range of accessories. Standard panels are supplied with heat-sealed ends to prevent soiling inside the air cells.



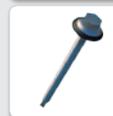
**ANCHORAGE OF ROOFING**  
This is done using an aluminium cap with Vipla washer and self-drilling screw.



## ACCESSORIES



**4234**  
Aluminium cap with gasket



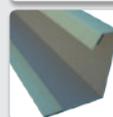
**4233**  
Screw with 6.3x120 Vipla washer



**4229**  
Tongue and groove gasket in PE-LD



**4250**  
Gasket for gutter in PE-LD



**4236**  
Protected steel profile



**4235**  
Central bracing bracket



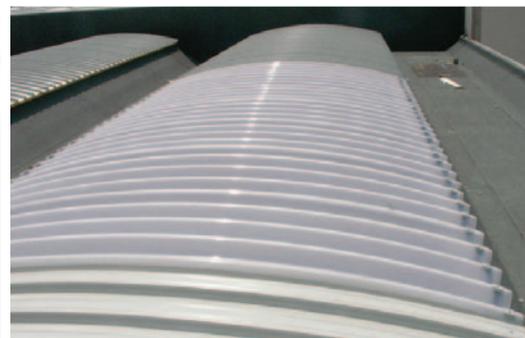
**4232**  
Sealant tape PE-LD 20x10



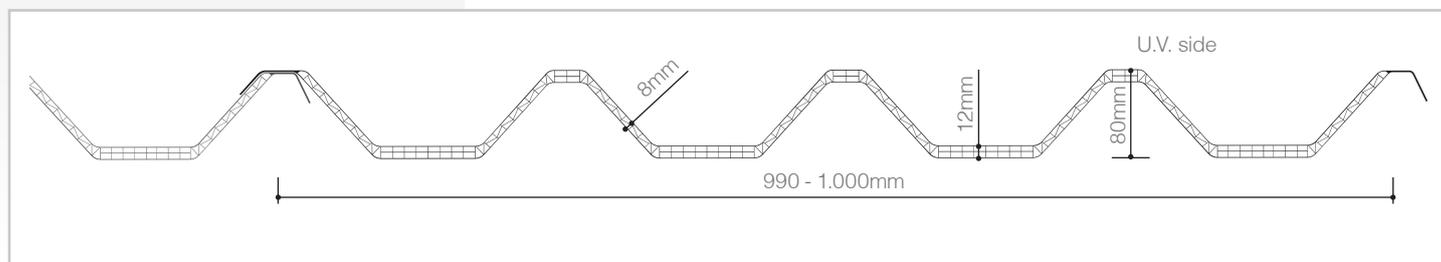
**4231**  
Roof profile (2 pieces)

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoplus**<sup>®</sup>  
1000Curvo



### PROFILE



## Modular system of corrugated UV protected multiwall polycarbonate for curved translucent roofing

### PRODUCTION STANDARDS

|                   |                 |
|-------------------|-----------------|
| thickness         | variable 8÷12mm |
| profile height    | 80mm            |
| structure         | 3 walls         |
| modular width     | 990 - 1.000mm   |
| colours available | see page 11     |

### TECHNICAL FEATURES

|                             |                        |
|-----------------------------|------------------------|
| Thermal insulation          | 2,7 W/m <sup>2</sup> K |
| Acoustic insulation         | 16 dB                  |
| Linear thermal expansion    | 0,065mm/m°C            |
| Temperature range           | -40°C +120 °C          |
| U.V. rays protection        | Coextrusion            |
| Fire reaction EN 13501      | EuroClass B-s1,d0      |
| Accidental shock resistance | 1.200 Joule            |

### SKYLIGHT PANEL

Creation of skylights, achieved by means of lateral overlapping of translucent components with curved metal insulated panels.

### CONTINUOUS ROOFING

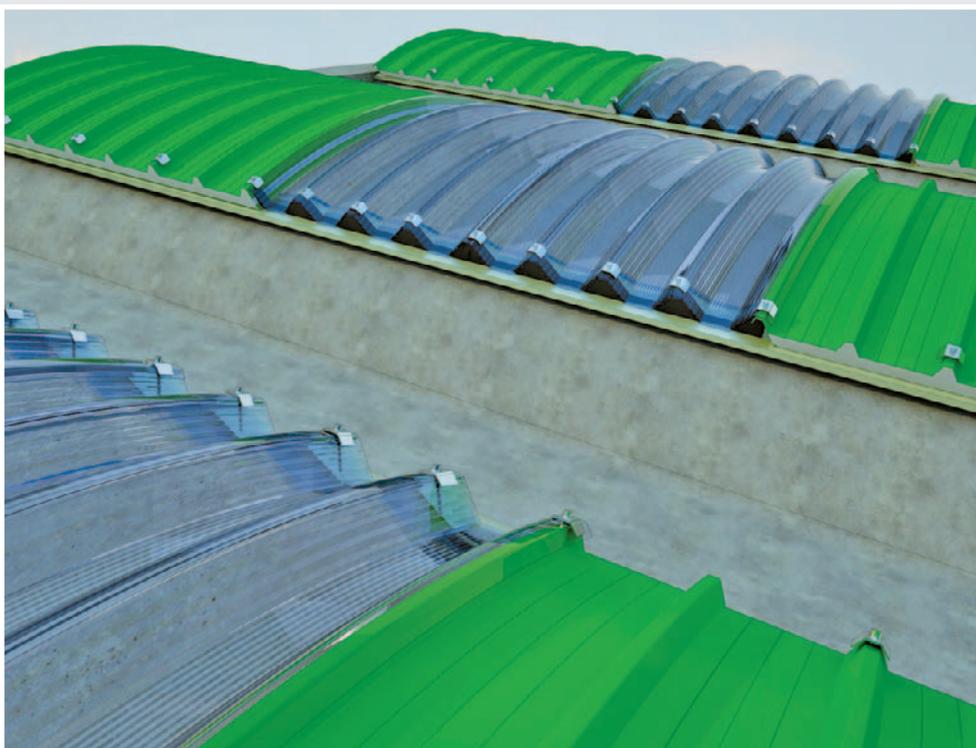
Creation of continuous roofing, achieved by means of continuous lateral overlapping of polycarbonate panels. Components are manufactured with a bend radius of R.3,300mm or R.6,000mm.

### ADVANTAGES

- ❖ High load resistance
- ❖ Longitudinal overlap
- ❖ Thermowelded panels
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Thermal insulation

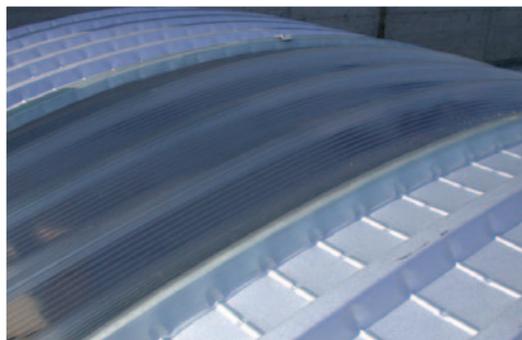
### APPLICATIONS

 Curved roofing



### CURVED ROOFING

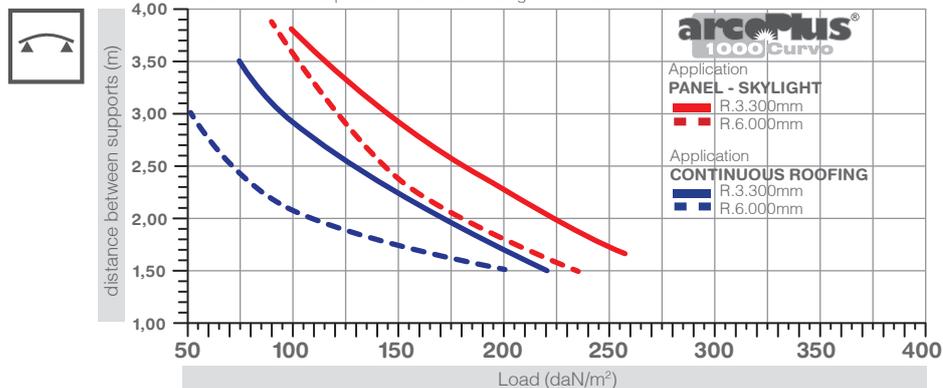
Detail of curved roofing in use with insulated metal panels.



## CURVED SYSTEM LOAD RESISTANCE

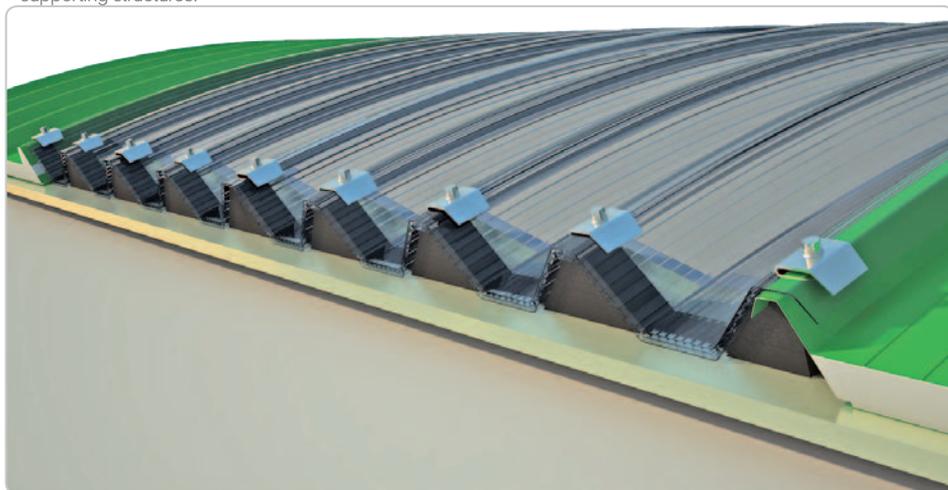
### Maximum loads on two supports - R.3.300 - R.6.000mm

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



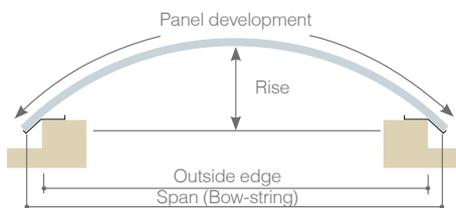
### DETAIL OF ANCHORAGE

Detail of anchorage of panels to supporting structures.



### DEVELOPMENT TABLE

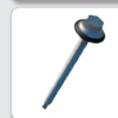
| Span  | R.3.300mm |             | R.6.000mm |             |
|-------|-----------|-------------|-----------|-------------|
|       | Rise      | Development | Rise      | Development |
| 1.000 | 38        | 1.016       | 21        | 1.008       |
| 1.200 | 55        | 1.221       | 30        | 1.210       |
| 1.400 | 75        | 1.428       | 41        | 1.413       |
| 1.600 | 98        | 1.636       | 54        | 1.615       |
| 1.800 | 125       | 1.845       | 68        | 1.819       |
| 2.000 | 155       | 2.057       | 84        | 2.023       |
| 2.200 | 189       | 2.270       | 102       | 2.227       |
| 2.400 | 226       | 2.486       | 121       | 2.432       |
| 2.600 | 267       | 2.705       | 143       | 2.638       |
| 2.800 | 312       | 2.927       | 166       | 2.845       |
| 3.000 | 361       | 3.152       | 191       | 3.052       |
| 3.200 | 414       | 3.381       | 217       | 3.261       |
| 3.400 | 472       | 3.615       | 246       | 3.470       |
| 3.600 | 534       | 3.854       | 276       | 3.681       |
| 3.800 | 602       | 4.098       | 309       | 3.892       |
| 4.000 | 675       | 4.349       | 343       | 4.105       |
| 4.200 | 754       | 4.608       | 380       | 4.319       |
| 4.400 | 840       | 4.875       | 418       | 4.535       |
| 4.600 | 935       | 5.151       | 458       | 4.752       |
| 4.800 | 1.035     | 5.439       | 501       | 4.971       |



## ACCESSORIES



**4234**  
Aluminium cap  
with gasket



**4233**  
Screw with 6.3x120 Vipla  
washer



**4250**  
Gasket for gutter  
PE-LD



**4235**  
Central bracing  
bracket



**4232**  
Sealant tape  
PE-LD 20x10

## ACCESSORIES

arcoPlus<sup>®</sup>1000 is a complete system for the construction of translucent roofing and includes a range of accessories that make it suitable for all purposes.

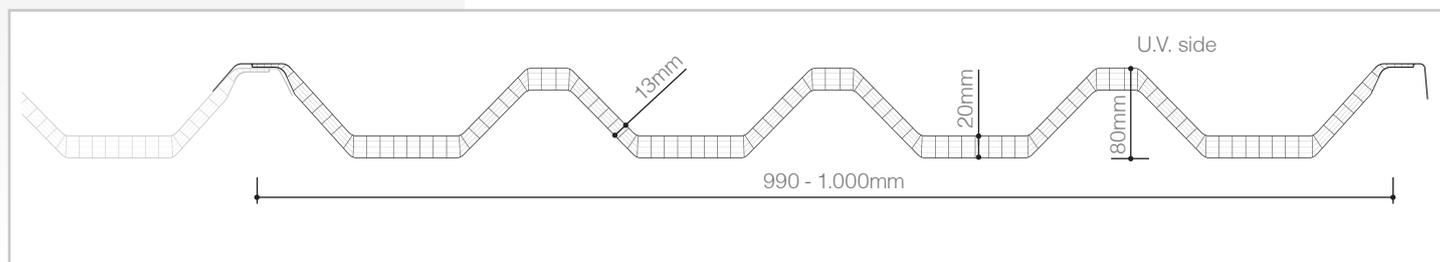
Standard panels are supplied with heat-sealed ends to prevent soiling inside the air cells.

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoPlus<sup>®</sup>**  
**SUPER 1000**



### PROFILE



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

### PRODUCTION STANDARDS

|                   |                  |
|-------------------|------------------|
| thickness         | variable 13÷20mm |
| profile height    | 80mm             |
| structure         | 5 walls          |
| modular width     | 990 - 1.000mm    |
| colours available | see page 11      |

### TECHNICAL FEATURES

|                             |                        |
|-----------------------------|------------------------|
| Thermal insulation          | 1,8 W/m <sup>2</sup> K |
| Acoustic insulation         | 18 dB                  |
| Linear thermal expansion    | 0,065mm/m°C            |
| Temperature range           | -40°C +120 °C          |
| U.V. rays protection        | Coextrusion            |
| Fire reaction EN 13501      | EuroClass B-s1,d0      |
| Accidental shock resistance | 1.200 Joule            |

### DESCRIPTION

arcoPlus<sup>®</sup>SUPER1000 is a modular corrugated system consisting of 5 co-extruded polycarbonate walls, in 13÷20mm thickness, perfectly overlapping lengthwise and enabling continuous coverage and skylights filled gutter. Considering the linear thermal expansion of polycarbonate, to avoid cracks at the through fixings the recommended maximum length is 5,000mm.

For higher length of the pitch is better the use of multiple overlapping panels.

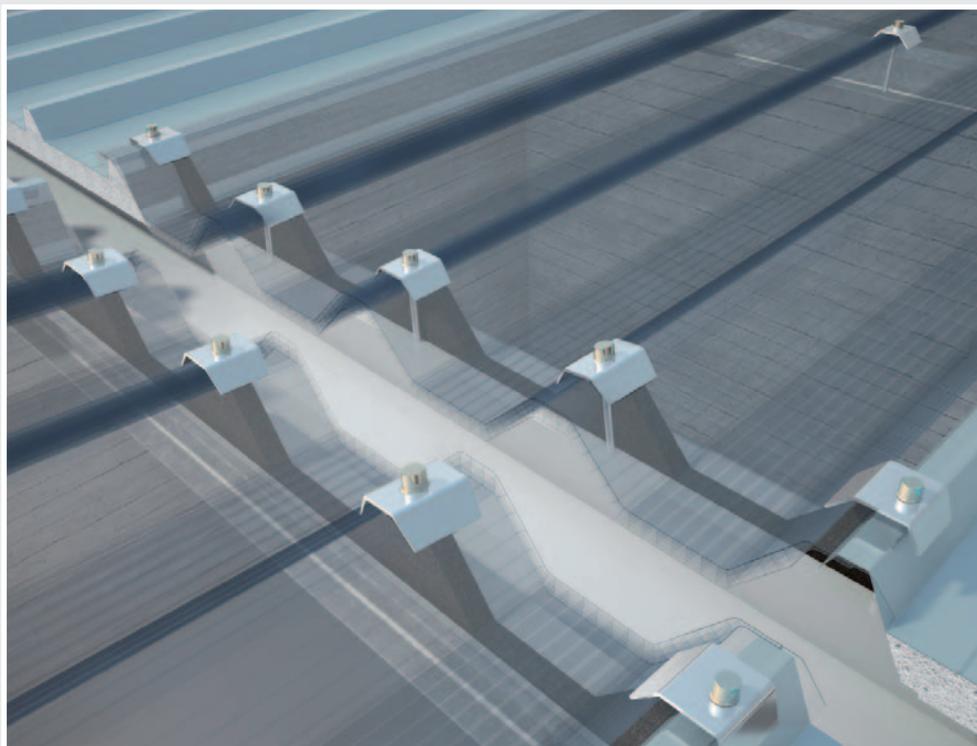
### ADVANTAGES

- ❖ High load resistance
- ❖ Longitudinal overlap
- ❖ Transverse overlap
- ❖ Thermowelded panels
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Heat insulation

### APPLICATIONS

 Vertical windows

 Roofing



#### SKYLIGHT - PANEL APPLICATION

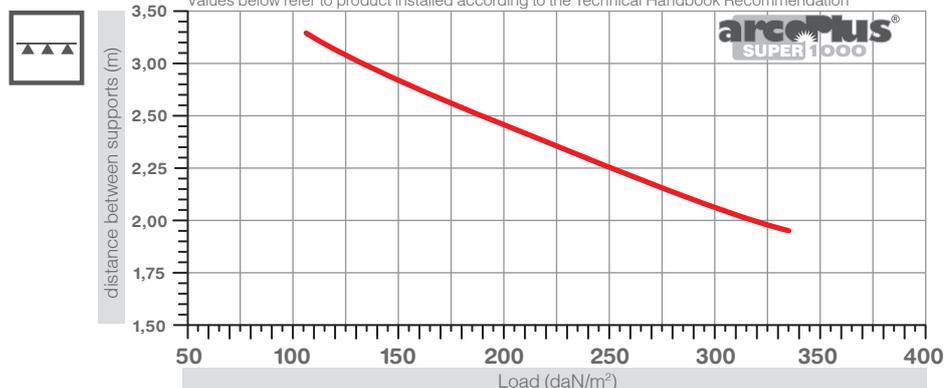
Construction of skylight with lateral overlapping of insulating roofing panels. Detail of valley gutter.



## LOAD RESISTANCE SKYLIGHT - SINGLE PANEL SYSTEM

### Maximum loads on more supports

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



## SKYLIGHT GUTTER RIDGE APPLICATION

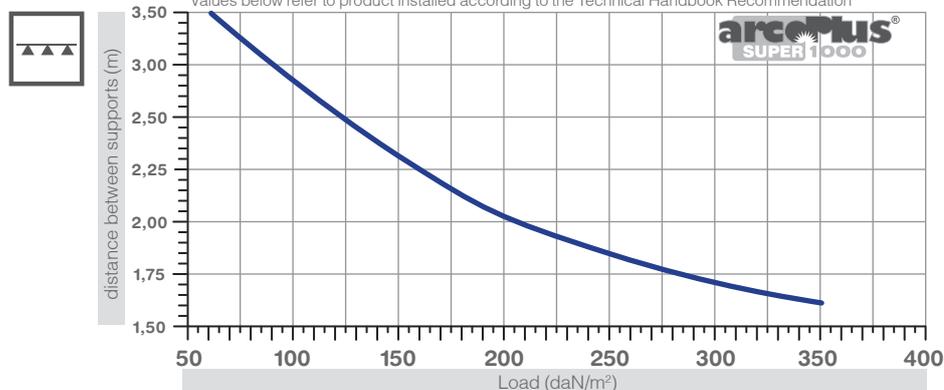
Panels laterally overlapping insulated corrugated metal roofing panels. Thanks to the specific design of the

profile the system is perfectly compatible for overlapping all the main types of panel. Minimum slope 5%.

## LOAD RESISTANCE OF MULTIPLE PANEL CONTINUOUS ROOFING SYSTEM

### Maximum loads on more supports

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



## APPLICATION ON CONTINUOUS ROOFING

Construction of continuous roofing/wall with continuous lateral overlapping of polycarbonate panels. For roofing, recommended minimum slope 7%.

a tongue and groove seal, a flat strip for sealing overlap areas, a range of steel profiles including bracing brackets, and a special press-formed profile to be inserted as a reinforcement on the groove side of the panel. For continuous roofing the panels are arranged with a continuous lateral overlap.

A flat ridge to place over the adjacent ridge profiles completes the range of accessories. Standard panels are supplied with heat-sealed ends to prevent soiling inside the air cells.

## ACCESSORIES

arcoPlus®SUPER1000 is a complete system for the construction of translucent curtain walls/roofing. It includes a range of accessories that make it suitable for all purposes. In addition to complete fastening assemblies, the system includes

## ACCESSORIES



**4234**  
Aluminium cap with gasket



**4233**  
Screw with 6.3x120 Vipla washer



**4655**  
Tongue and groove gasket in PE-LD



**4658**  
Gasket for gutter in PE-LD



**4236**  
Protected steel profile



**4235**  
Central bracing bracket



**4232**  
Sealant tape PE-LD 20x10



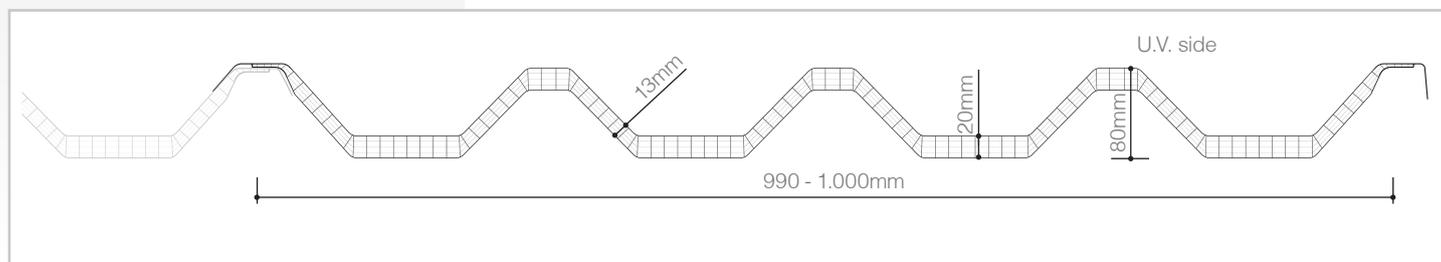
**4231**  
Roof profile (2 pieces)

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoPlus**<sup>®</sup>  
SUPER 1000 Curvo



### PROFILE



## Modular system of corrugated UV protected multiwall polycarbonate for curved translucent roofing

### PRODUCTION STANDARDS

|                   |                  |
|-------------------|------------------|
| thickness         | variable 13÷20mm |
| profile height    | 80mm             |
| structure         | 5 walls          |
| modular width     | 990 - 1.000mm    |
| colours available | see page 11      |

### TECHNICAL FEATURES

|                             |                        |
|-----------------------------|------------------------|
| Thermal insulation          | 1,8 W/m <sup>2</sup> K |
| Acoustic insulation         | 18 dB                  |
| Linear thermal expansion    | 0,065mm/m°C            |
| Temperature range           | -40°C +120 °C          |
| U.V. rays protection        | Coextrusion            |
| Fire reaction EN 13501      | EuroClass B-s1,d0      |
| Accidental shock resistance | 1.200 Joule            |

### SKYLIGHT PANEL

Creation of skylights, achieved by means of lateral overlapping of translucent components with curved metal insulated panels.

### CONTINUOUS ROOFING

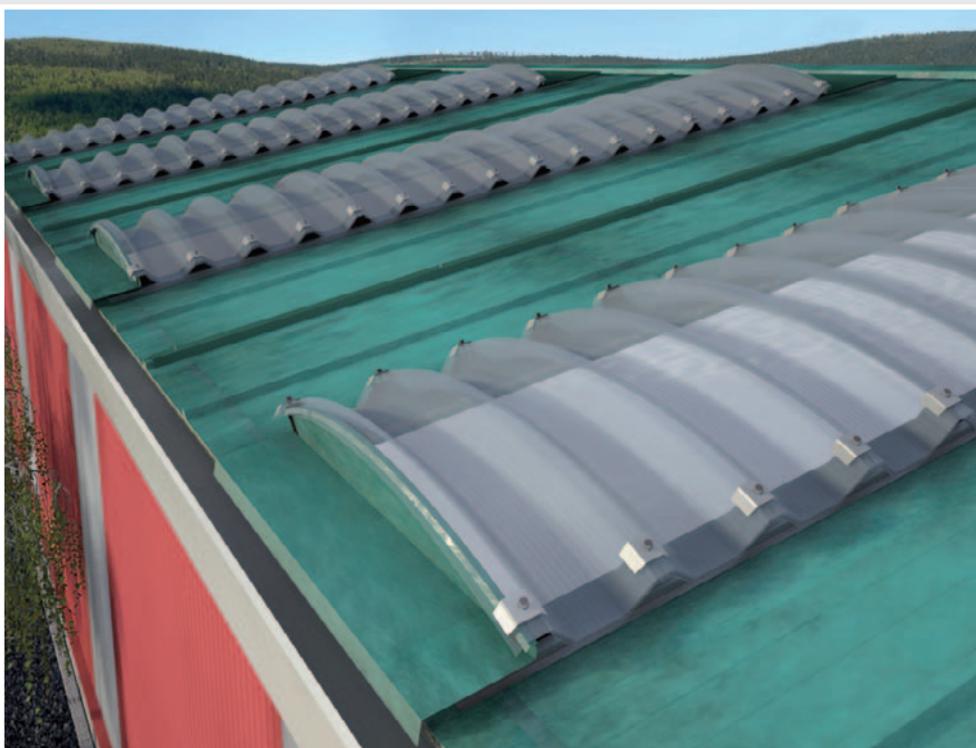
Creation of continuous roofing, achieved by means of continuous lateral overlapping of polycarbonate panels. arcoPlus<sup>®</sup>SUPER1000 is produced with a radius of curvature R.3.000mm and R. 6.000mm.

### ADVANTAGES

- ❖ High load resistance
- ❖ Longitudinal overlap
- ❖ Thermowelded panels
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Thermal insulation

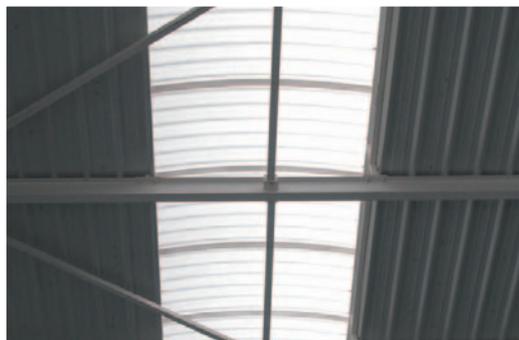
### APPLICATIONS

 Curved roofing

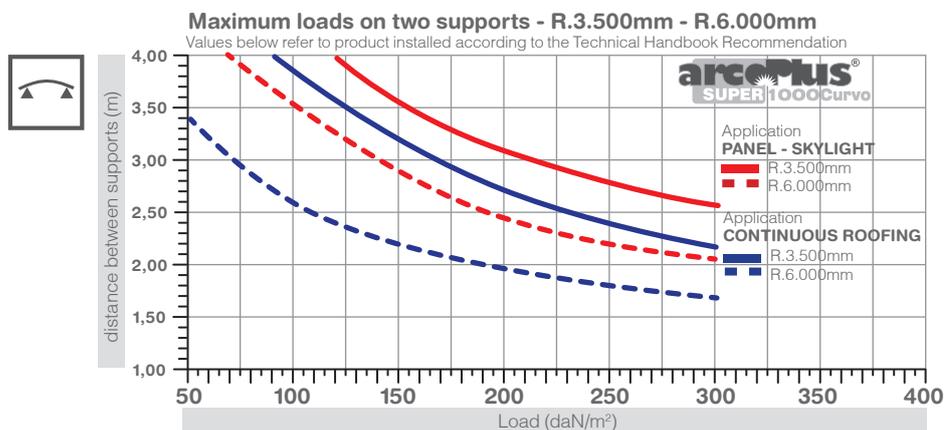


#### SKYLIGHT PANELS APPLICATION

Skylight gutter ridge application with cross disposition of the bent panels in polycarbonate

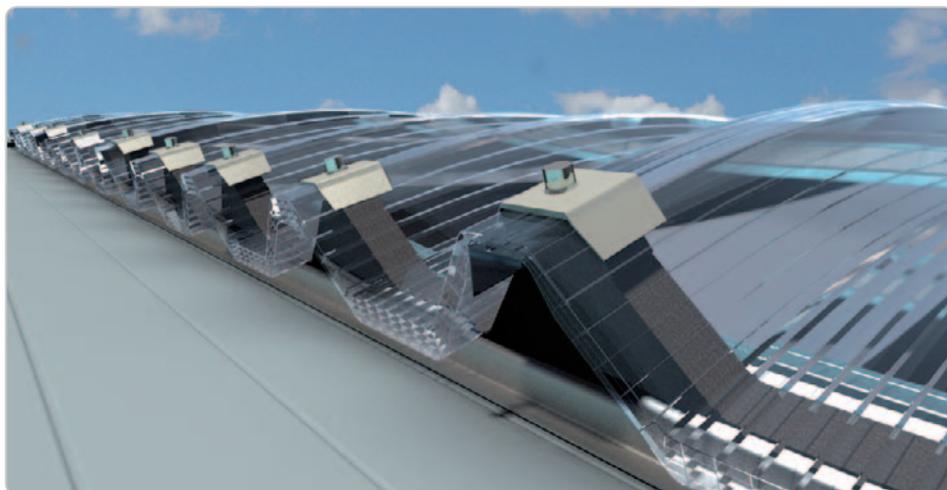


## RESISTENZA AL CARICO SISTEMA CURVO



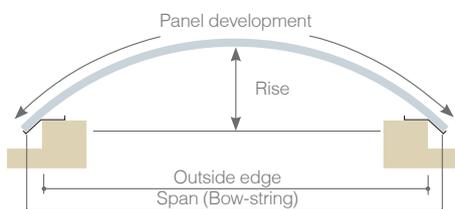
### DETAIL OF ANCHORAGE

detail of fixing panels to support structures



## DEVELOPMENT TABLE

| Span  | R.3.500mm |             | R.6.000mm |             |
|-------|-----------|-------------|-----------|-------------|
|       | Rise      | Development | Rise      | Development |
| 1.000 | 36        | 1.015       | 21        | 1.008       |
| 1.200 | 52        | 1.220       | 30        | 1.210       |
| 1.400 | 71        | 1.426       | 41        | 1.413       |
| 1.600 | 93        | 1.633       | 54        | 1.615       |
| 1.800 | 118       | 1.841       | 68        | 1.819       |
| 2.000 | 146       | 2.051       | 84        | 2.023       |
| 2.200 | 177       | 2.264       | 102       | 2.227       |
| 2.400 | 212       | 2.478       | 121       | 2.432       |
| 2.600 | 250       | 2.694       | 143       | 2.638       |
| 2.800 | 292       | 2.914       | 166       | 2.845       |
| 3.000 | 338       | 3.136       | 191       | 3.052       |
| 3.200 | 387       | 3.361       | 217       | 3.261       |
| 3.400 | 441       | 3.591       | 246       | 3.470       |
| 3.600 | 498       | 3.824       | 276       | 3.681       |
| 3.800 | 561       | 4.063       | 309       | 3.892       |
| 4.000 | 628       | 4.306       | 343       | 4.105       |
| 4.200 | 700       | 4.556       | 380       | 4.319       |
| 4.400 | 778       | 4.812       | 418       | 4.535       |
| 4.600 | 862       | 5.077       | 458       | 4.752       |
| 4.800 | 952       | 5.350       | 501       | 4.971       |



## ACCESSORIES

arcoPlus®SUPER1000 is a complete system for the construction of translucent roofing and includes a range of accessories that make it suitable for all purposes. Standard panels are supplied with heat-sealed ends to prevent soiling inside the air cells.

## ACCESSORIES



**4234**  
Aluminium cap  
with gasket



**4233**  
Screw with 6.3x120  
Vipla washer



**4658**  
Gasket for gutter  
PE-LD



**4235**  
Central bracing  
bracket



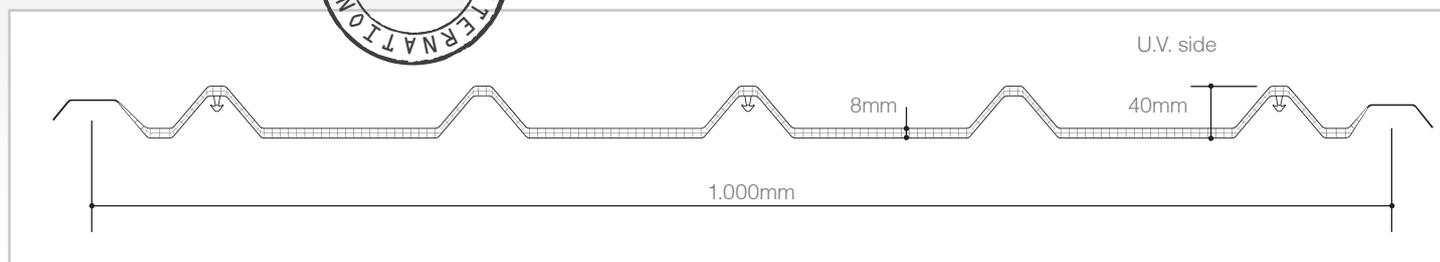
**4232**  
Sealant tape  
PE-LD 20x10

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoPlus**<sup>®</sup>  
GrecaClick



### PROFILE



**Modular system  
of corrugated UV  
protected multiwall  
polycarbonate,  
assembled using  
a snap-on system  
without drilling for  
translucent curtain  
walls and roofing**

### PRODUCTION STANDARDS

|                   |             |
|-------------------|-------------|
| thickness         | 8mm         |
| profile height    | 40mm        |
| structure         | 3 walls     |
| modular width     | 1.000mm     |
| colours available | see page 11 |

### TECHNICAL FEATURES

|                          |                        |
|--------------------------|------------------------|
| Thermal insulation       | 3,0 W/m <sup>2</sup> K |
| Acoustic insulation      | 16 dB                  |
| Linear thermal expansion | 0,065mm/m°C            |
| Temperature range        | -40°C +120 °C          |
| U.V. rays protection     | Coextrusion            |
| Fire reaction EN 13501   | EuroClass B-s1,d0      |

### DESCRIPTION

Innovative patented roofing system, anchored by pressing it onto specific anchor brackets that allow the polycarbonate sheets to expand without undermining load strength.

N.B. arcoPlus<sup>®</sup>GrecaCLICK  
Supplied with thermowelded ends

### ADVANTAGES

- ❖ Pressed on without drilling holes in panels
- ❖ Anchor brackets hidden in the structure
- ❖ Transverse and longitudinal overlap
- ❖ Resistance to U.V. rays and to hail
- ❖ Light transmission
- ❖ Thermowelded sheets
- ❖ Heat insulation

### APPLICATIONS

-  Roofing and skylights
-  Vertical windows



**SKYLIGHT - PANEL APPLICATION**  
Skylight gutter ridge application



## SKYLIGHT GUTTER RIDGE APPLICATION

Skylight obtained by laterally overlapping with all types of foamed roofing panels or corrugated sheets. The special method of connection guarantees resistance to dynamic wind loads while at the same time allowing the material to expand. Recommended minimum slope 5%.

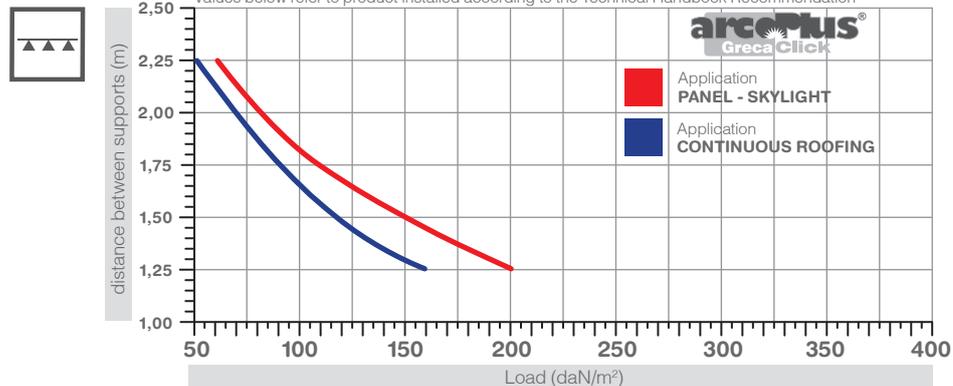
## CONTINUOUS ROOFING APPLICATION

Construction of continuous roofing with continuous lateral overlapping of components. Recommended minimum slope 7%.

## LOAD RESISTANCE

### Maximum loads on more supports

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



## ACCESSORIES



4420 Kit 20

4423 Kit 30

4424 Kit 40

GrecaClick connection kit



4425 Kit 20

4427 Kit 30

4429 Kit 40

GrecaClick overlap kit



4406 Kit 0

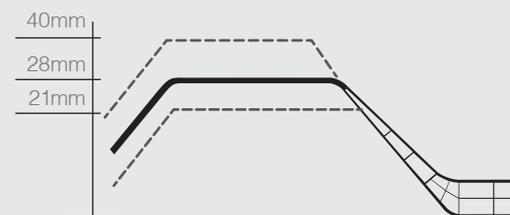
4407 Kit 20

4408 Kit 30

4409 Kit 40

PE-LD GrecaClick ridge bird comb kit

N.B. arcoPlus® GrecaCLICK  
Supplied with thermowelded ends



The ends of the sheets can be modified for use with different roofing profiles.



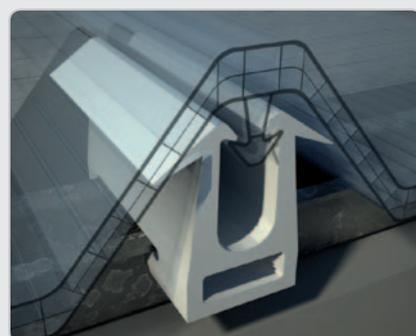
### DETAIL OF RIDGE

Detail of ridge with PE-LD seal



### OVERLAP - STEP 1

Detail of double anchor bracket anchored to roofing structure



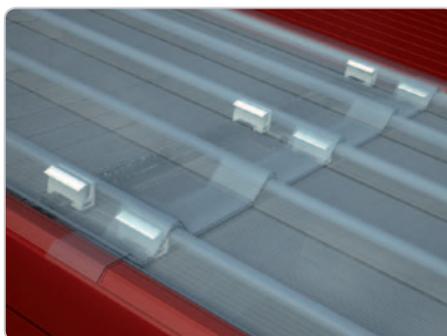
### ANCHORAGE OF ROOFING

This is done by pressing onto the anchor bracket.



### OVERLAP - STEP 2

Insertion of lower sheet by pressing



### OVERLAP - STEP 3

Insertion of upper sheet by pressing



### DETAIL OF GUTTER

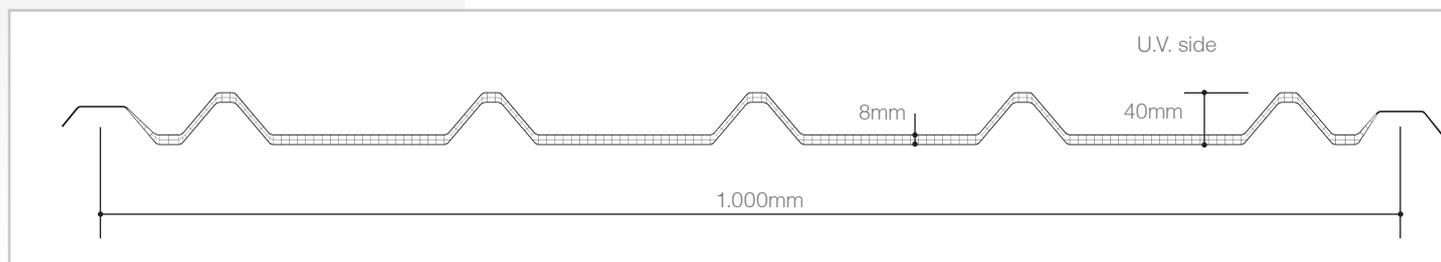
Detail of insertion of the PE-LD seal.

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoPlus**<sup>®</sup>  
MiniGreca



### PROFILE



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

### PRODUCTION STANDARDS

|                   |             |
|-------------------|-------------|
| thickness         | 8mm         |
| profile height    | 40mm        |
| structure         | 3 walls     |
| modular width     | 1.000mm     |
| colours available | see page 11 |

### TECHNICAL FEATURES

|                          |                        |
|--------------------------|------------------------|
| Thermal insulation       | 3,0 W/m <sup>2</sup> K |
| Acoustic insulation      | 16 dB                  |
| Linear thermal expansion | 0,065mm/m°C            |
| Temperature range        | -40°C +120 °C          |
| U.V. rays protection     | Coextrusion            |
| Fire reaction EN 13501   | EuroClass B-s1,d0      |

### DESCRIPTION

arcoPlus<sup>®</sup>MiniGreca, is a complete system for the construction of translucent curtain walls and roofing and includes a range of accessories that make it suitable for all purposes. Thanks to the specific design of the profile the system is perfectly compatible with all the main types of panel.

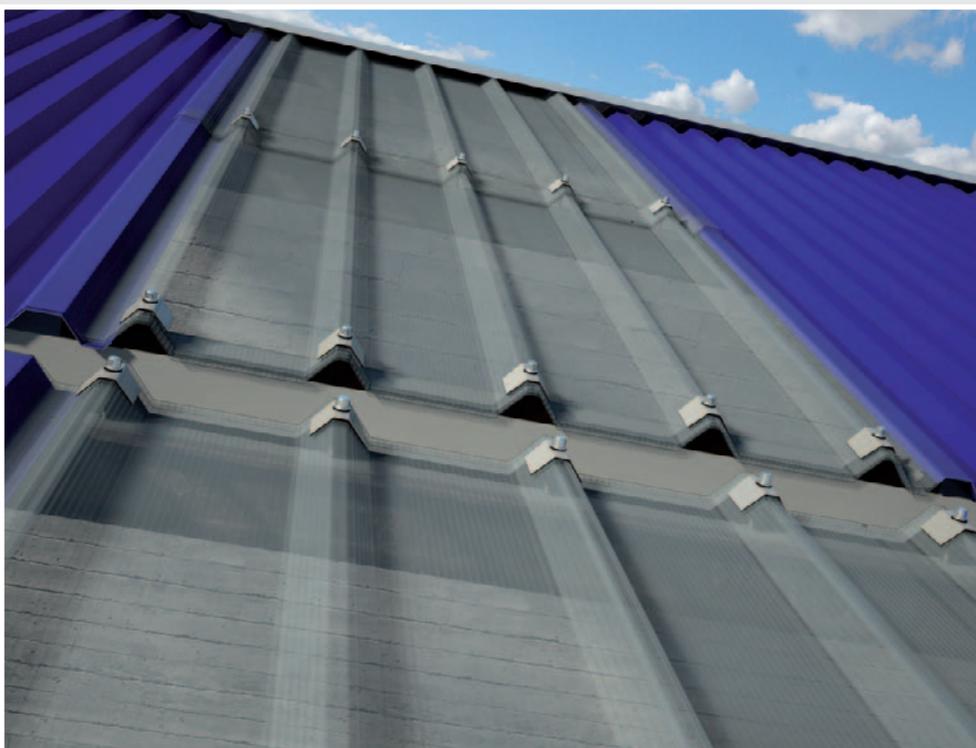
N.B. arcoPlus<sup>®</sup>MiniGreca  
Supplied with thermowelded ends

### ADVANTAGES

- ❖ Transverse and longitudinal overlap
- ❖ Resistance to U.V. rays and to hail
- ❖ Light transmission
- ❖ Thermowelded sheets
- ❖ Heat insulation

### APPLICATIONS

 Roofing and skylights



**SKYLIGHT - PANEL APPLICATION**  
Skylight gutter ridge application



## SKYLIGHT GUTTER RIDGE APPLICATION

Skylight obtained by means of lateral overlapping with any type of corrugated roofing sheet.  
Recommended minimum slope 5%.

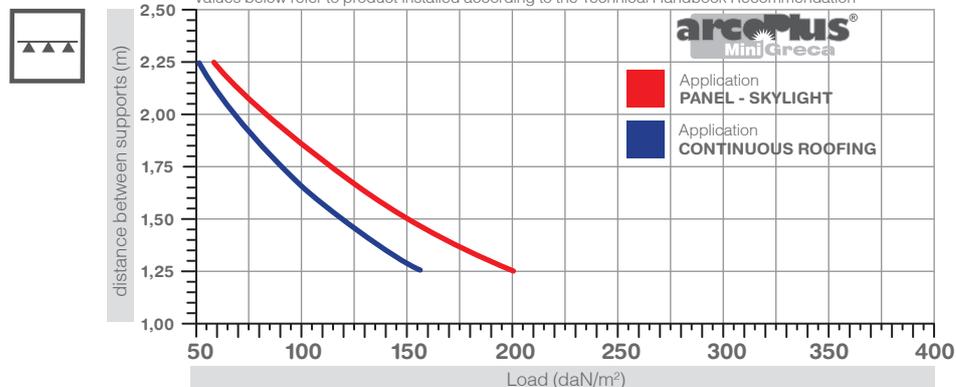
## CONTINUOUS ROOFING APPLICATION

Construction of continuous roofing with continuous lateral overlapping of panels.  
Recommended minimum slope 7%.

## LOAD RESISTANCE

### Maximum loads on more supports

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



arecplus<sup>®</sup>  
MiniGreca

Application  
**PANEL - SKYLIGHT**

Application  
**CONTINUOUS ROOFING**

## ACCESSORIES



**4433**  
Aluminium cap  
with gasket



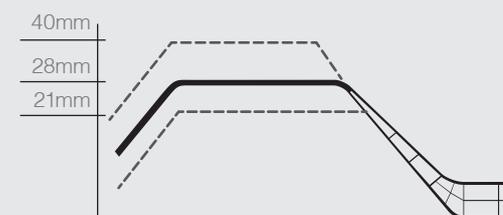
**4233**  
Screw with 6.3x60  
Vipla washer



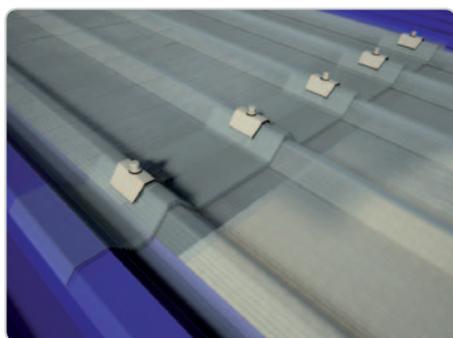
**4406** Kit 0 - 40  
**4404** Kit 21 - 28  
PE-LD GrecaClick  
ridge bird comb kit



**4405**  
Gasket for gutter  
PE-LD



The ends of the sheets can be modified to fit the different types of roofing profile.



### DETAIL OF OVERLAP

Detail of double anchor bracket  
anchored to roofing structure



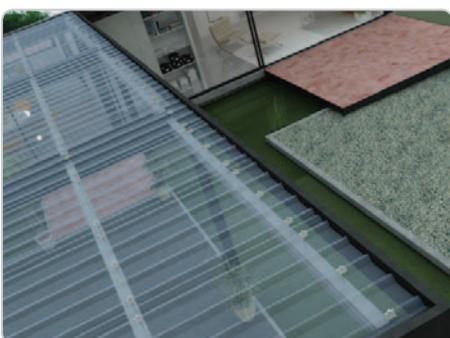
### DETAIL OF GUTTER

Detail of insertion of  
the PE-LD seal.



### CONTINUOUS ROOFING

Creation of large areas of transparent roofing.



### CONTINUOUS ROOFING

Anchorage of roof components



### ANCHORAGE OF ROOFING

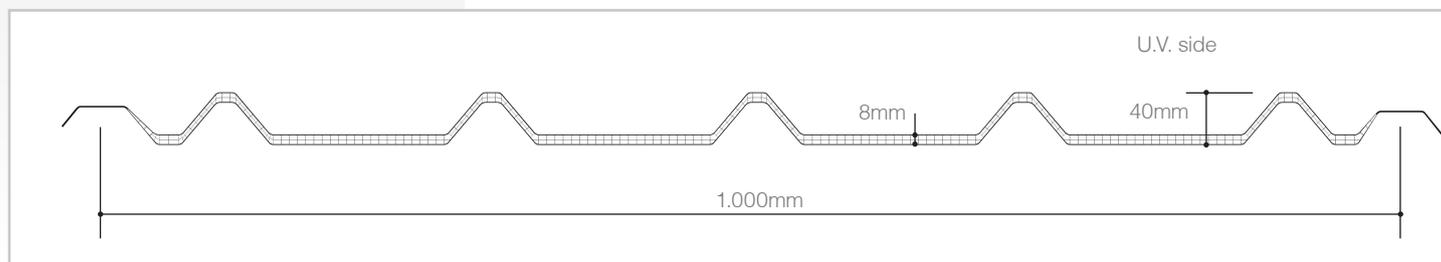
This is done by drilling and inserting a screw with  
Vipla washer and cap.

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoPlus**<sup>®</sup>  
MiniGrecaCurvo



### PROFILE



## Modular system of corrugated UV protected multiwall polycarbonate for curved translucent roofing

### PRODUCTION STANDARDS

|                   |             |
|-------------------|-------------|
| thickness         | 8mm         |
| profile height    | 40mm        |
| structure         | 3 walls     |
| modular width     | 1.000mm     |
| colours available | see page 11 |

### TECHNICAL FEATURES

|                          |                        |
|--------------------------|------------------------|
| Thermal insulation       | 3,0 W/m <sup>2</sup> K |
| Acoustic insulation      | 16 dB                  |
| Linear thermal expansion | 0,065mm/m°C            |
| Temperature range        | -40°C +120 °C          |
| U.V. rays protection     | Coextrusion            |
| Fire reaction EN 13501   | EuroClass B-s1,d0      |

### EASY AND LOW-COST INSTALLATION

Creation of continuous roofing, or skylight, achieved by means of continuous lateral overlapping of polycarbonate panels with curved metal insulated panels.

N.B. arcoPlus<sup>®</sup>MiniGreca  
Supplied with thermowelded ends.

### ADVANTAGES

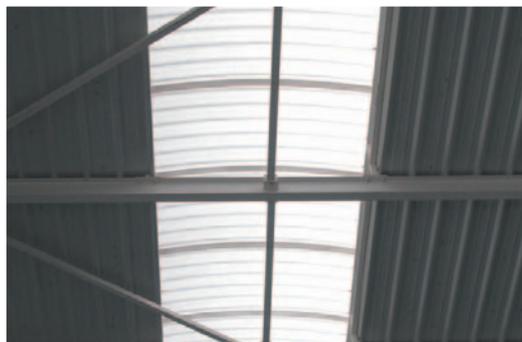
- ❖ Transverse and longitudinal overlap
- ❖ Resistance to U.V. rays and to hail
- ❖ Light transmission
- ❖ Thermowelded sheets
- ❖ Heat insulation

### APPLICATIONS

 Roofing and skylights



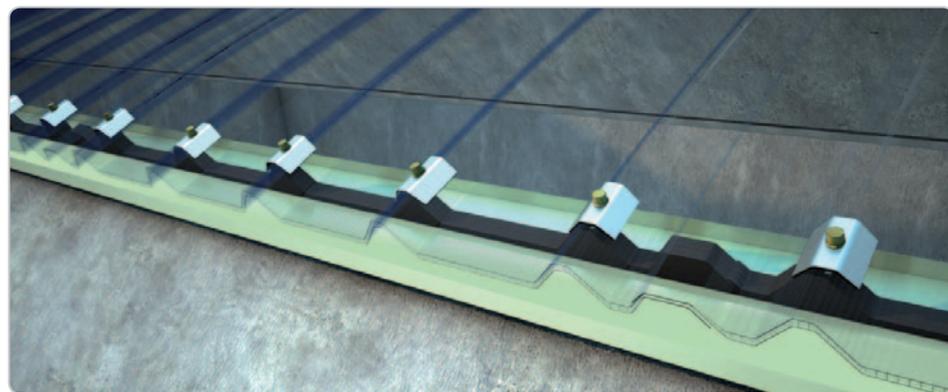
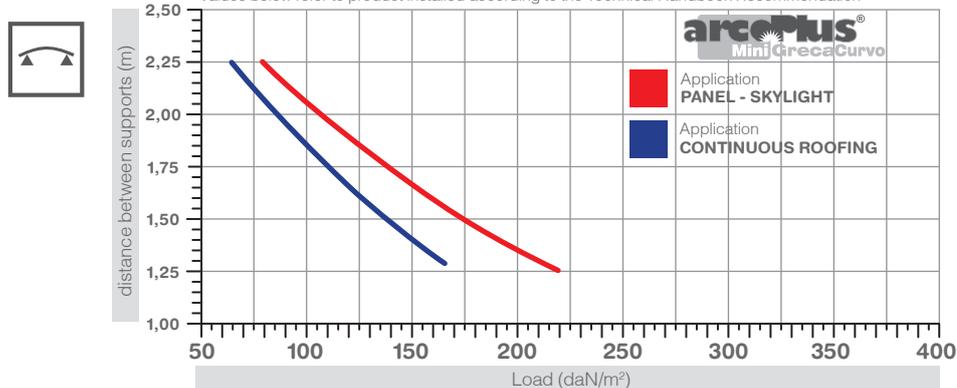
**CONTINUOUS ROOFING APPLICATION**  
Industrial continuous roofing



## CURVED SYSTEM LOAD RESISTANCE

### Maximum loads on two supports - R.3.500mm

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



### DETAIL OF OVERLAP

Detail of double anchor bracket anchored to roofing structure



**4433**

Aluminium cap with gasket



**4233**

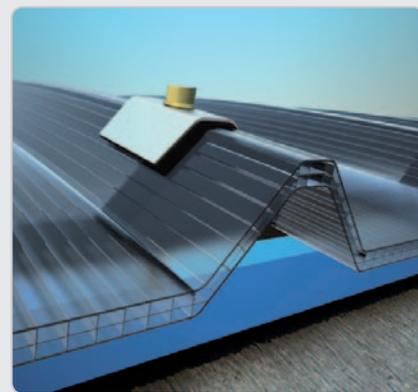
Screw with 6.3x60 Vipla washer



**4405**

Gasket for gutter PE-LD

## ACCESSORIES



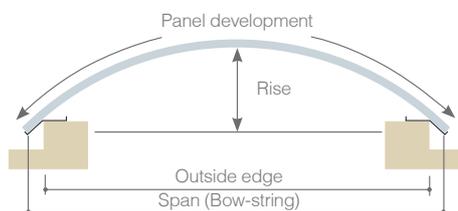
### ANCHORAGE OF ROOFING

This is done by drilling and inserting a screw with Vipla washer and cap.

## DEVELOPMENT TABLE

### R.3.500mm

| Span  | Rise | Development |
|-------|------|-------------|
| 1.000 | 36   | 1.009       |
| 1.200 | 52   | 1.213       |
| 1.400 | 71   | 1.418       |
| 1.600 | 93   | 1.623       |
| 1.800 | 118  | 1.831       |
| 2.000 | 146  | 2.040       |
| 2.200 | 177  | 2.251       |
| 2.400 | 212  | 2.466       |
| 2.600 | 250  | 2.679       |
| 2.800 | 292  | 2.897       |
| 3.000 | 338  | 3.118       |



The ends of the sheets can be modified to fit the different types of roofing profile.

## ACCESSORIES

arcoPlus®MiniGreca is a complete system for the construction of translucent roofing and includes a range of accessories that make it suitable for all purposes.

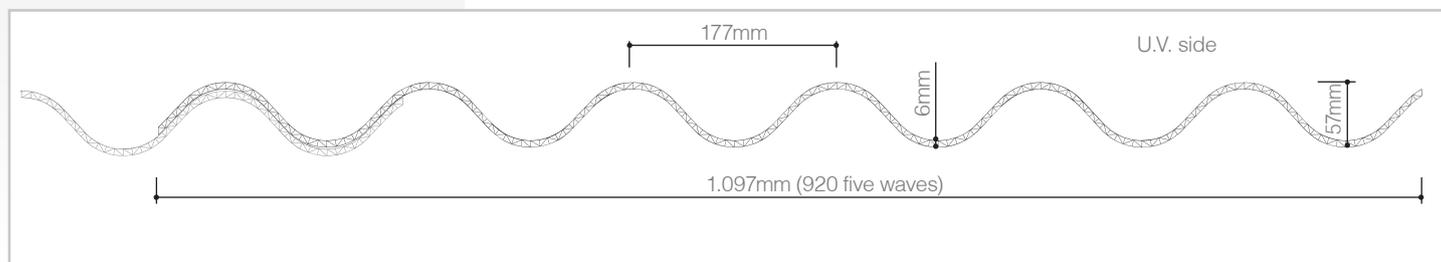
Standard panels are supplied with heat-sealed ends to prevent soiling inside the air cells.

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoplus**<sup>®</sup>  
Onda



### PROFILE



**Modular system  
of corrugated UV  
protected multiwall  
polycarbonate for  
vertical walls and  
roofings translucent  
and opaque**

### PRODUCTION STANDARDS

|                   |                              |
|-------------------|------------------------------|
| thickness         | 6mm                          |
| profile height    | 51mm                         |
| corrugation pitch | 177mm                        |
| structure         | 3 walls with "N" structure   |
| modular width     | 1.050mm (875 on request)     |
| length            | 5.000mm (max advised length) |
| colours available | see page 11                  |

### TECHNICAL FEATURES

|                             |                        |
|-----------------------------|------------------------|
| Thermal insulation          | 3,2 W/m <sup>2</sup> K |
| Acoustic insulation         | 16 dB                  |
| Linear thermal expansion    | 0,065mm/m°C            |
| Temperature range           | -40°C +120 °C          |
| U.V. rays protection        | Coextrusion            |
| Fire reaction EN 13501      | EuroClass B-s1,d0      |
| Accidental shock resistance | 1.200 Joule            |



**OVERLAP**  
detail of overlapping components

### ADVANTAGES

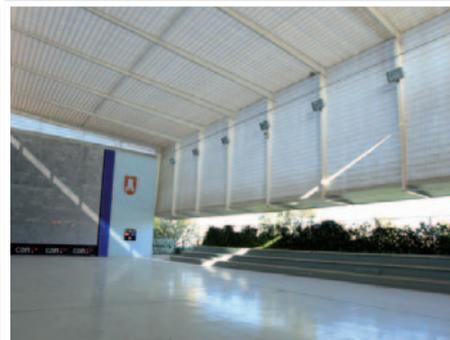
- ❖ High load resistance
- ❖ Longitudinal and lateral overlap
- ❖ Thermowelded panels
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Heat insulation
- ❖ Easy to install

### APPLICATIONS

 Vertical windows

 Roofing





## SKYLIGHT GUTTER RIDGE APPLICATION

Panels laterally overlap insulated corrugated roofing panels, or fibre cement sheets. Recommended minimum slope 7%.

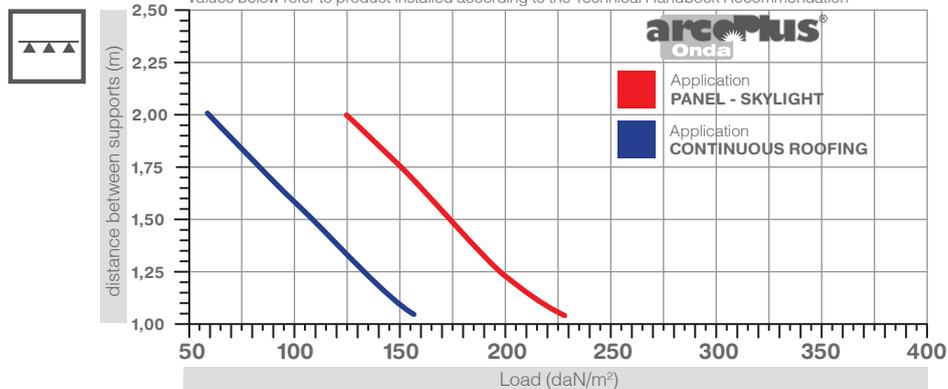
## ROOFING-CONTINUOUS WALL APPLICATION

Construction of continuous roofing/wall with continuous lateral overlapping of polycarbonate panels.

## FLAT SYSTEM LOAD RESISTANCE

### Maximum loads on more supports

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

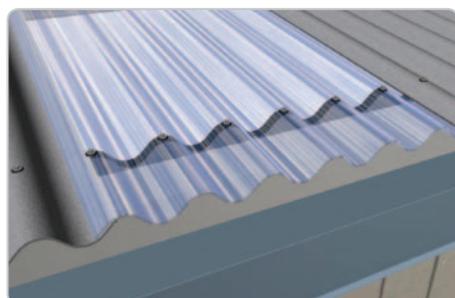


## EASY AND LOW-COST INSTALLATION

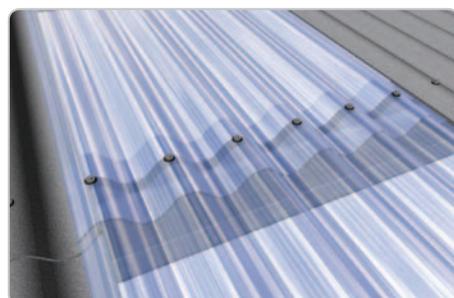
The arcoPlus®Onda Piano system can be used to construct continuous translucent roofing or combined with fibre cement sheets. The panels must be installed with the UV protected side facing the exterior, to preserve the optical and mechanical properties of the material. If one or more transverse overlaps are required, installation must start from the cover foot (bottom) and then proceed

upwards towards the ridge following the slope of the roof. In particularly windy areas, two-flute overlaps are advisable.

Overlapping can be used to create gutter ridge skylights and continuous skylights with lateral panel overlap.



**COVER FOOT**  
detail of gutter line with gasket.



**PARTICOLARE SOVRAPPOSIZIONE**  
detail of overlapping components.

## ACCESSORIES



**4256**  
Gasket for gutter  
PE-LD



**4262** 6,3 X 20  
**4261** 6,3 X 90  
**4374** 6,3 X 120  
Fixing screw with Buzzer



**4232**  
Sealant tape  
PE-LD 20x10

## ACCESSORIES

arcoPlus®Onda, system has a complete set of accessories enabling simple installation.

The structure has fixing elements, and gaskets in order to increase resistance in overlapped areas.

arcoPlus®Onda is delivered, as a standard product, with thermowelded extremities.

## THERMOWELDING

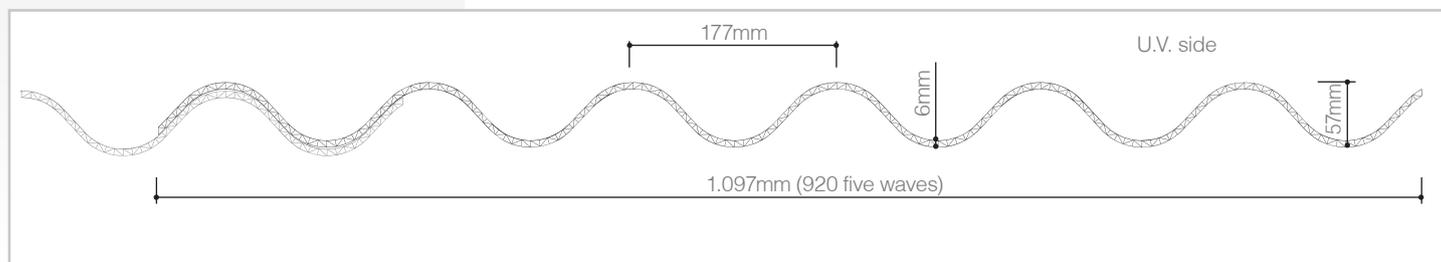
arcoPlus®Onda is delivered, as a standard product, with thermowelded extremities, up to a max length of 5.000mm.

## 2.3 MODULAR OVERLAPPING SYSTEMS

**arcoPlus®**  
Onda Curvo



### PROFILE



**Modular system  
of corrugated UV  
protected multiwall  
polycarbonate for  
curved translucent  
and opaque roofing**

### PRODUCTION STANDARDS

|                   |                              |
|-------------------|------------------------------|
| thickness         | 6mm                          |
| profile height    | 51mm                         |
| corrugation pitch | 177mm                        |
| structure         | 3 walls with "N" structure   |
| modular width     | 1.050mm (875 on request)     |
| length            | 5.000mm (max advised length) |
| colours available | see page 11                  |

### TECHNICAL FEATURES

|                             |                   |
|-----------------------------|-------------------|
| Thermal insulation          | 3,2 W/m²K         |
| Acoustic insulation         | 16 dB             |
| Linear thermal expansion    | 0,065mm/m°C       |
| Temperature range           | -40°C +120 °C     |
| U.V. rays protection        | Coextrusion       |
| Fire reaction EN 13501      | EuroClass B-s1,d0 |
| Accidental shock resistance | 1.200 Joule       |

### CURVED SYSTEM APPLICATION

The arcoPlus®Onda Curvo system can be used to create continuous translucent roofing or used, by means of lateral overlapping, with curved fibre cement sheets or insulating panels with a curve radius of R.3,500mm.

The arcoPlus®Onda profile must be installed with the UV protected side facing the exterior, to preserve the optical and mechanical properties of the material.

### ADVANTAGES

- ❖ High load resistance
- ❖ Longitudinal and lateral overlap
- ❖ Thermowelded panels
- ❖ Light transmission
- ❖ Resistance to U.V. rays and to hail
- ❖ Heat insulation

### APPLICATIONS

 Curved roofing

