Overhead lighting

Thermal improvement base

THERM

BLUEBAC THERM FIX

OVERHEAD LIGHTING

Bluebac Therm Fix

Check the availability of profiles in our guide

BLUETEK

- → **Saves energy** by letting in natural light
- → Large dimensional range
- → **Reduces heat loss** thanks to improved base insulation

Standards and requirements

CE

EN 1873

Characteristics

Urc: 1.2 W/m².K (150/150, 300 mm high, BSL, B1)

- **Arc = 4,2**
- **AP = 0,3 m³/h/ml**
- **I4 = 0,04 m³/h/ml**

- 16 mm opal cellular PC infill
- Tubular seal on the perimeter of the frame
- Fibreglass reinforced polyester base, outer walls coated with gel coat, and 19 mm insulation.

Overhead lighting | Thermal improvement base

BLUEBAC THERM FIX

Technical characteristics

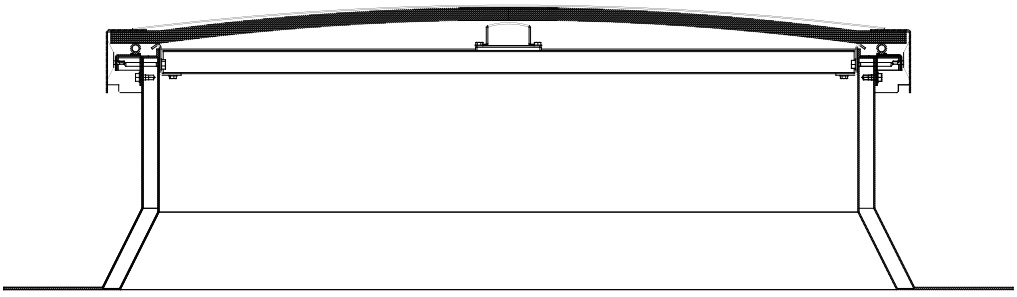
Dimensions			Performances
Commercial dimensions (roof opening) W/L in cm	**Light dimensions** (high opening) W x L in cm	**Part numbers***	**Urc** (W/m^2K)**
80/110	70 x 100	B1S	**de 1,6 à 1,7**
110/110	100 x 100	B1S	
130/130	120 x 120	B1S	
150/150	140 x 140	B1S	
180/180	160 x 160	B2S	
100/200	100 x 200	DRS	
120/240	100 x 220	B2S	
150/180	130 x 160	B2S	
150/180	150 x 180	DRS	

** DRS: straight upstand - B1S: tapered upstand, 5 cm on each side (commercial dimensions = light dimensions +10 cm) - B2S: tapered upstand, 10 cm on each side (commercial dimensions = light dimensions +20 cm)*
** **Performance of device with 16 mm cellular PC**

Overhead lighting | Thermal improvement base

BLUEBAC THERM FIX

Technical sections



Bluesteel Therm Fix B1

EFFICIENT SOLUTIONS

BSL (luminous sunshade)

- Reduces sun factor by 35%*
- Improves the thermal performance of the roof light
- Cuts glare and light marks on the floor
- Available in clear and opal

Pearl Inside

- Improves acoustic performance Lia: 65 dB, Rw: 28 dB (0,-2)
- New cellular PC concept with incorporated glass microbeads
- Crystalline effect for an incomparable appearance

** compared to 16 mm opal cellular PC*

Overhead lighting | Thermal improvement base

BLUEBAC THERM FIX

Infill

16 mm cellular PC

16 mm cellular polycarbonate
Available in clear, Calor Control

20 mm cellular PC

20 mm cellular polycarbonate
Available in Opal, clear, Calor Control

32 mm cellular PC

32 mm cellular polycarbonate
Available in Opal, clear, Calor Control

CUPOLA

Triple wall, opal or clear in solid polycarbonate
or polymethyl methacrylate

Accessories and Options

BARS

Fixed 15x15 mm, 1200-joule steel

GRILLE

Round fixed in 1200-joule steel

PAINT & GEL COAT

The gel coat on the base and the paint for the grille or bars are available in standard RAL shades

RAL 9010 RAL 9005

Natural ventilation

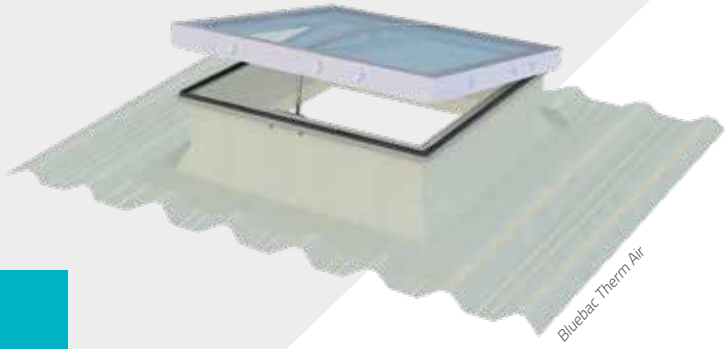
Thermal improvement base

THERM

BLUEBAC THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

OVERHEAD LIGHTING

VENTILATION



BLUETEK

- → **Saves energy** by letting in natural light
- → Natural ventilation to renew the air by day or by night
- → Different opening energies for manual or controlled use
- → **Reduces heat loss** thanks to improved base insulation

Check the availability of profiles in our guide

- **CONTROL**
  - *electric, COSY type*
  - *pneumatic, OXY type*
  - *mechanical, WINCH type*
  - *manual, HANDLE type*

Standards and requirements

CE

EN 1873

Characteristics

Urc: 1.4 W/m².K (150/180, 300 mm high, BSL, DR)

- **Arc = 5.4**
- **AP = 0.5 m³/h/m**
- **I4 = 0.08 m³/h/m**

- 16 mm opal cellular PC infill
- Tubular seal on the perimeter of the frame
- Fibreglass reinforced polyester base, outer walls coated with gel coat, and 19 mm insulation.

Natural ventilation | Thermal improvement base

BLUEBAC THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Technical characteristics

Dimensions			Availability**				Performances
Commercial dimensions (roof opening) W/L in cm	**Light dimensions** (high opening) W x L in cm	**Part numbers***	**AIR Elec**	**AIR Pneu**	**AIR Manuel**	**AIR Treuil**	**Urc** (W/m^2K)***
80/110	70 x 100	B1S	•	•	•	•	**de 1,8 à 1,9**
110/110	100 x 100	B1S	•	•	•	•	
130/130	120 x 120	B1S	•	•	•	—	
150/150	140 x 140	B1S	•	•	•	—	
180/180	160 x 160	B2S	•	•	•	—	
100/200	100 x 200	DRS	•	•	•	—	
150/180	130 x 160	B2S	•	•	•	—	
150/180	150 x 180	DRS	•	•	•	—	

** DRS: straight upstand - B1S: tapered upstand, 5 cm on each side (commercial dimensions = light dimensions +10 cm) - B2S: tapered upstand, 10 cm on each side (commercial dimensions = light dimensions +20 cm)*

**** Depending on the infill, not all the dimensions are available, please contact us**

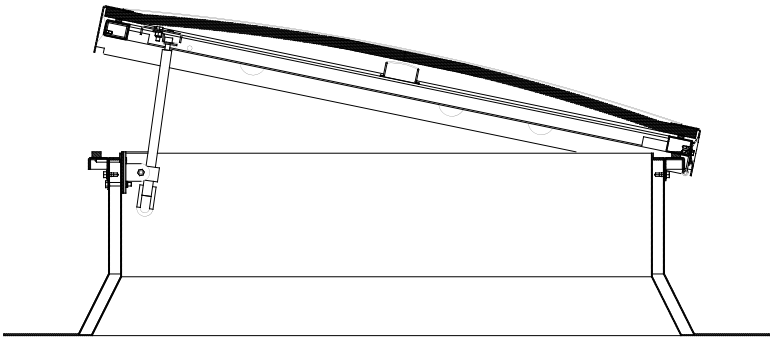
***** Performance of device with 16 mm cellular PC**

● *available,* — *not available*

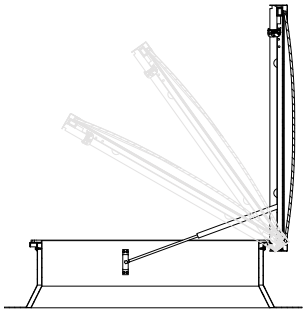
Natural ventilation | Thermal improvement base

BLUEBAC THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Technical sections



Bluebac Therm Air Manual B1



Bluebac Therm Air Winch B1
Ventilation with variable opening

EFFICIENT SOLUTIONS

BSL (luminous sunshade)

- Reduces sun factor by 35%*
- Improves the thermal performance of the rooflight
- Cuts glare and light marks on the floor
- Available in clear and opal

Pearl Inside

- Improves acoustic performance Lia: 65 dB, Rw: 28 dB (0,-2)
- New cellular PC concept with incorporated glass microbeads
- Crystalline effect for an incomparable appearance

** compared to 16 mm opal cellular PC*

Natural ventilation | Thermal improvement base

BLUEBAC THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Infill

16 mm cellular PC

16 mm cellular polycarbonate
Available in opal (strandard), clear, Calor Control

20 mm cellular PC

20 mm cellular polycarbonate
Available in Opal, clear, Calor Control

32 mm cellular PC

32 mm cellular polycarbonate
Available in opal, clear, opaque, Calor Control

CUPOLA

Triple wall, opal or clear in solid polycarbonate or polymethyl methacrylate

INSULATED ALUMINIUM COVER

Standard

Accessories and Options

BARS

Fixed 15x15 mm, 1200-joule steel

GRILLE

Round fixed in 1200-joule steel

PAINT & GEL COAT

The gel coat on the base and the paint for the grille or bars are available in standard RAL shades

RAL 9010

RAL 9005

Roof access

Thermal improvement base

BLUEBAC THERM PASS

THERM

OVERHEAD LIGHTING

ROOF ACCESS

BLUETEK

- → **Easier roof access thanks to the access bar on the roof**
- → **Saves energy** by letting in natural light
- → **Interior opening with latch, exterior opening with handle**
- → **Reduces heat loss** thanks to improved base insulation

Check the availability of profiles in our guide

Standards and requirements

CE

EN 1873

Characteristics

Urc: 1.4 W/m².K (150/150, 300 mm hight, BSL, B1)

- **Arc = 4.3**
- **AP = 0.4 m³/h/m**
- **I4 = 0.05 m³/h/m**

- 16 mm opal cellular PC infill
- Tubular seal on the perimeter of the frame
- Fibreglass reinforced polyester base, outer walls coated with gel coat, and 19 mm insulation.

Roof access | Thermal improvement base

BLUEBAC THERM PASS

Technical characteristics

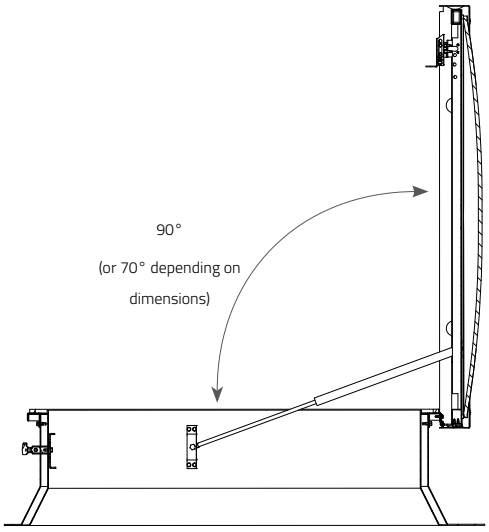
Dimensions			Opening angle	Performances
Commercial dimensions [1] (roof opening) W/L in cm	**Light dimensions** [1] (high opening, hole for light) W x L in cm	**Part numbers***		**Urc** (W/m^2K)**
80/110	70 x 100	B1S	90°	**1,8 à 1,9**
110/110	100 x 100	B1S	90°	
130/130	120 x 120	B1S	70°	
150/150	140 x 140	B1S	70°	
100/200	100 x 200	DRS	70°	
150/180	130 x 160	B2S	70°	

** DR: straight upstand - B1: tapered upstand, 5 cm on each side (commercial dimensions = light dimensions +10 cm) - B2: tapered upstand, 10 cm on each side (commercial dimensions = light dimensions +20 cm)*
**** Performance of device with 16 mm cellular PC**

Roof access | Thermal improvement base

BLUEBAC THERM PASS

Technical sections



Bluesteel ThermPass B1

EFFICIENT SOLUTIONS

BSL (luminous sunshade)

- Reduces sun factor by 35%*
- Improves the thermal performance of the rooflight
- Cuts glare and light marks on the floor
- Available in clear and opal

Pearl Inside

- Improves acoustic performance Lia: 65 dB, Rw: 28 dB (0,-2)
- New cellular PC concept with incorporated glass microbeads
- Crystalline effect for an incomparable appearance

** compared to 16 mm opal cellular PC*

Roof access | Thermal improvement base

BLUEBAC THERM PASS

Infill

16 mm cellular PC

16 mm cellular polycarbonate
Available in opal (standard), clear, Calor Control

20 mm cellular PC

20 mm cellular polycarbonate
Available in Opal, clear, Calor Control

32 mm cellular PC

32 mm cellular polycarbonate
Available in opal, clear, opaque, Calor Control

CUPOLA

Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate

INSULATED ALUMINIUM COVER

Standard

Accessories and Options

BARS

15x15 mm opening frame in 1200-joule steel

GRILLE

Round opening in 1200-joule steel

ROOF ACCESS BAR

Galvanised steel bar that makes access to the roof easier and safer

LADDER SUSPENSION BAR

Galvanised steel tube that may be used to support any type of ladder for access to the roof

Ladder available in our Control binder

POSITION SWITCH

Shows the standby or safety position of an NHSEV
Factory mounted

PAINT & GEL COAT

The gel coat on the base and the paint for the grille or bars are available in standard RAL shades

RAL 9010 RAL 9005

DEVICE OPENING

Interior opening + exterior opening

interior

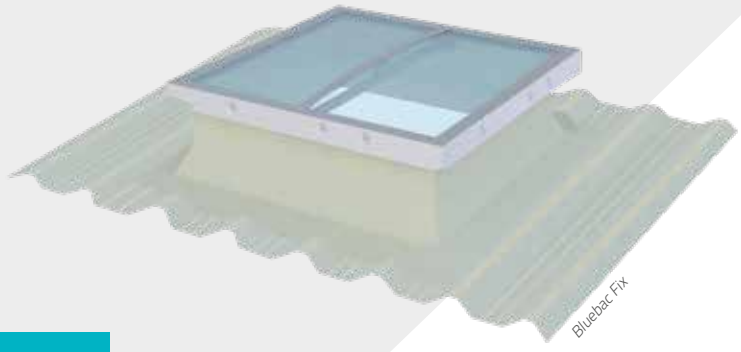
exterior

Overhead lighting

Standard base

BLUEBAC FIX

OVERHEAD LIGHTING



BLUETEK

- → **Saves energy** by letting in natural light
- → Large dimensional range

Check the availability of profiles in our guide

Standards and requirements

CE
EN 1873

Characteristics

- 10 mm opal cellular PC infill
- Fibreglass reinforced polyester base, outer walls coated with gel coat.

Overhead lighting | Standard base

BLUEBAC FIX

Technical characteristics

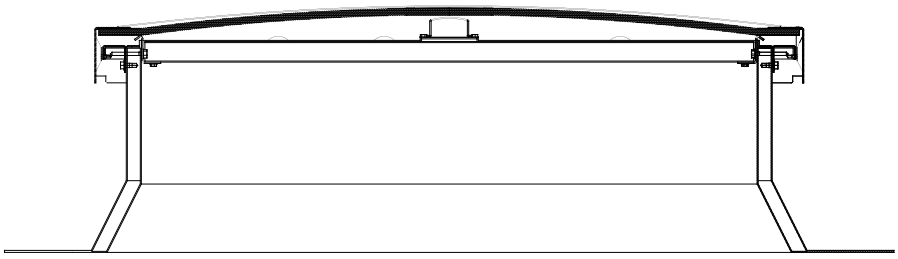
Dimensions		
Commercial dimensions (roof opening) W/L in cm	**Light dimensions** (high opening) W x L in cm	**Part numbers***
80/80	80 x 80	DRS
80/110	70 x 100	B1S
110/110	100 x 100	B1S
120/120	100 x 100	B2S
130/130	120 x 120	B1S
140/140	140 x 140	DRS
140/140	130 x 130	B1S
150/150	140 x 140	B1S
150/150	130 x 130	B2S
180/180	160 x 160	B2S
100/200	100 x 200	DRS
110/150	100 x 140	B1S
110/160	100 x 150	B1S
110/210	100 x 200	B1S
110/230	100 x 220	B1S
110/250	90 x 230	B2S
120/150	100 x 130	B2S
120/220	100 x 200	B2S
120/240	110 x 230	B1S
120/240	100 x 220	B2S
130/160	120 x 140	B1S
130/180	120 x 170	B1S
150/180	150 x 180	DRS
150/180	130 x 170	B2S

** DR: straight upstand - B1: tapered upstand, 5 cm on each side (commercial dimensions = light dimensions +10 cm) - B2: tapered upstand, 10 cm on each side (commercial dimensions = light dimensions +20 cm)*

Overhead lighting | Standard base

BLUEBAC FIX

Technical sections



Bluebac Fix B1

Overhead lighting | Standard base

BLUEBAC FIX

Infill

10 mm cellular PC

10 mm cellular polycarbonate
Available in opal (standard), clear, Calor Control

16 mm cellular PC

16 mm cellular polycarbonate
Available in Opal, clear, Calor Control

CUPOLA

Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate

INSULATED ALUMINIUM COVER

Standard

Accessories and Options

BARS

Fixed 15x15 mm, 1200-joule steel

GRILLE

Round fixed in 1200-joule steel

PAINT & GEL COAT

The gel coat on the base and the paint for the grille or bars are available in standard RAL shades

RAL 9010 RAL 9005

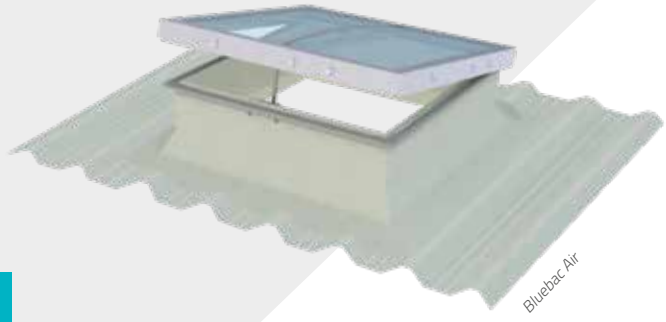
Natural ventilation

Standard base

BLUEBAC AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

OVERHEAD LIGHTING

VENTILATION



Bluebac Air

BLUETEK

- → **Saves energy** by letting in natural light
- → Natural ventilation to renew the air by day or by night
- → Different opening energies for manual or controlled use

Check the availability of profiles in our guide

CONTROL

- *electric, COSY type*
- *pneumatic, OXY type*
- *mechanical, WINCH type*
- *manual, HANDLE type*

Standards and requirements

CE

EN 1873

Characteristics

- 10 mm opal cellular PC infill
- Fibreglass reinforced polyester base, outer walls coated with gel coat

Natural ventilation | Standard base

BLUEBAC AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Technical characteristics

Dimensions			Availability **			
Commercial dimensions (roof opening) W/L in cm	**Light dimensions** (high opening) W x L in cm	**Part numbers***	**AIR Elec**	**AIR Pneu**	**AIR Manual**	**AIR Winch**
70/70	70 x 70	DRA	•	•	•	•
80/80	80 x 80	DRA/DRS	•	•	•	•
80/110	80 X 110	B1S	•	•	•	•
100/100	100 x 100	DRA	•	•	•	•
110/110	100 x 100	B1S	•	•	•	•
120/120	120 x 120	DRA	•	•	•	—
120/120	110 x 110	B1S	•	•	•	—
120/120	100 x 100	B2A/B2S	•	•	•	•
130/130	120 x 120	B1S	•	•	•	—
140/140	140 x 140	DRA/DRS	•	•	•	—
140/140	120 x 120	B2A	•	•	•	—
150/150	140 x 140	B1S	•	•	•	—
150/150	130 x 130	B2A	•	•	•	—
160/160	160 x 160	DRA	•	•	•	—
160/160	140 x 140	B2A	•	•	•	—
170/170	150 x 150	B2A	•	•	•	—
180/180	180 x 180	DRA	•	•	•	—
180/180	170 x170	B1S	•	•	•	—
180/180	160 x 160	B2A/B2S	•	•	•	—
100/120	100 x 120	DRA	•	•	•	—
100/140	100 x 140	DRA	•	•	•	—
100/180	100 x 180	DRA	•	•	•	—
100/200	100 x 200	DRA/DRS	•	•	•	—
110/130	90 x 120	B2A	•	•	•	—
110/150	100 x 140	B1S	•	•	•	—
110/160	100 x 150	B1S	•	•	•	—
110/170	110 x 170	DRA	•	•	•	—
110/170	90 x 150	B2A	•	•	•	—
110/210	100 x 200	B1S	•	•	•	—
120/150	120 x150	DRA	•	•	•	—
120/150	100 x 130	B2S	•	•	•	—
120/170	100 x 150	B2A	•	•	•	—
120/200	120 x 200	DRA	•	•	•	—
120/220	100 x 200	B2A/B2S	•	•	•	—
130/160	130 x 150	B1S	•	•	•	—
130/180	120 x 170	B1S	•	•	•	—
140/160	140 x 160	DRA	•	•	•	—
140/190	120 x 170	B2A	•	•	•	—
150/180	150 x 180	DRS	•	•	•	—
150/180	130 x 160	B2S	•	•	•	—
160/180	140 x 160	B2A	•	•	•	—
160/200	160 x 200	DRA	•	•	•	—
160/220	140 x 200	B2A	•	•	•	—
180/220	160 x 200	B2A	•	•	•	—

* *DR: straight upstand - B1: tapered upstand, 5 cm on each side (commercial dimensions = light dimensions +10 cm) - B2: tapered upstand, 10 cm on each side (commercial dimensions = light dimensions +20 cm)*

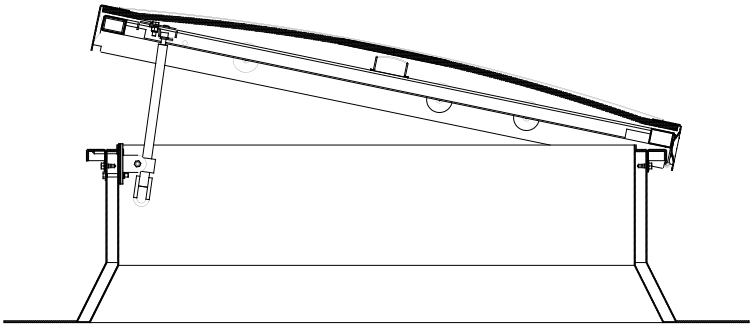
** **Depending on the infill, not all dimensions are available**

● *available,* — *not available*

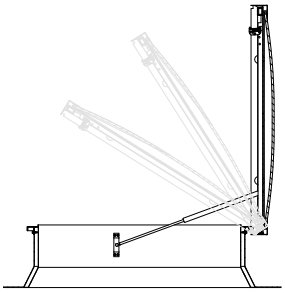
Natural ventilation | Standard base

BLUEBAC AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Technical sections



Bluebac Air Manual B1



Bluebac Air Winch

Ventilation with variable opening

Natural ventilation | Standard base

BLUEBAC AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Infill

10 mm cellular PC

10 mm cellular polycarbonate
Available in opal (standard), clear, opaque, Calor Control

16 mm cellular PC

16 mm cellular polycarbonate
Available in opal, clear, opaque, Calor Control

CUPOLA

Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate

INSULATED ALUMINIUM COVER

Standard

Accessories and Options

BARS

Fixed 15x15 mm, 1200-joule steel

GRILLE

Round fixed in 1200-joule steel

PAINT & GEL COAT

The gel coat on the base and the paint for the grille or bars are available in standard RAL shades

RAL 9010 RAL 9005

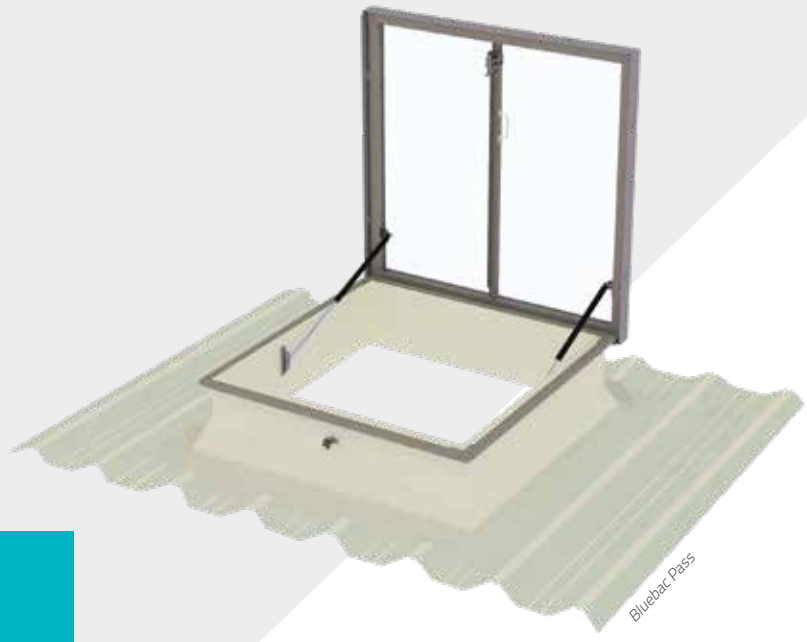
Roof access

Standard base

BLUEBAC PASS

OVERHEAD LIGHTING

ROOF ACCESS



BLUETEK

- **Easier roof access thanks to the access bar on the roof**
- **Saves energy** by letting in natural light
- **Interior opening with latch, exterior opening with handle**

Check the availability of profiles in our guide

Standards and requirements

CE

EN 1873

Characteristics

- 10 mm opal cellular PC infill
- Fibreglass reinforced polyester base, outer walls coated with gel coat.

Roof access | Standard base

BLUEBAC PASS

Technical characteristics

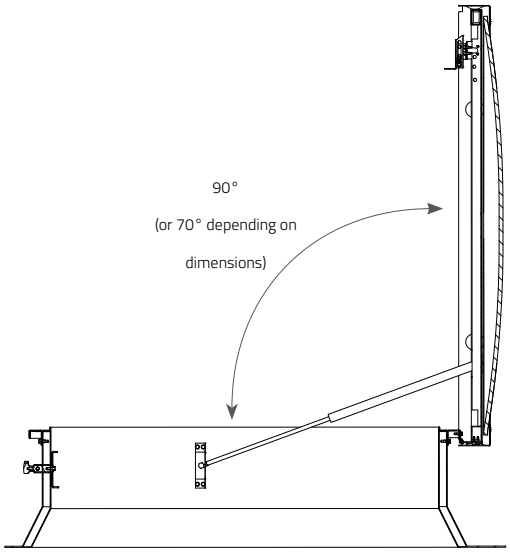
Dimensions			Opening angle
Commercial dimensions (roof opening) W/L in cm	**Light dimensions** (high opening, hole for light) W x L in cm	**Part numbers***	
80/80	80 x 80	DRS	90°
80/110	70 X 100	B1S	90°
110/110	100 x 100	B1S	90°
120/120	100 x 100	B2S	70°
130/130	120 x 120	B1S	70°
140/140	130 x 130	B1S	70°
140/140	140 x 140	DRS	70°
150/150	130 x 130	B2S	70°
150/150	140 x 140	B1S	70°
100/200	100 x 200	DRA/DRS	70°
110/150	100 x 140	B1S	70°
110/160	100 x 150	B1S	70°
110/210	100 x 200	B1S	70°
120/150	100 x 130	B2S	70°
120/220	100 x 200	B2A/B2S	70°
130/160	120 x 150	B1S	70°
130/180	120 x 170	B1S	70°
150/180	130 x 160	B2S	70°

** DR: straight upstand - B1: tapered upstand, 5 cm on each side (commercial dimensions = light dimensions +10 cm) - B2: tapered upstand, 10 cm on each side (commercial dimensions = light dimensions +20 cm)*

Roof access | Standard base

BLUEBAC PASS

Technical sections



Bluebac Pass B1

Roof access | Standard base

BLUEBAC PASS

Infill

10 mm cellular PC

10 mm cellular polycarbonate
Available in opal (standard), clear, opaque, Calor Control

16 mm cellular PC

16 mm cellular polycarbonate
Available in opal, clear, opaque, Calor Control

CUPOLA

Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate

INSULATED ALUMINIUM COVER

Standard

Accessories and Options

BARS

15x15 mm opening frame in 1200-joule steel

GRILLE

Round opening in 1200-joule steel

ROOF ACCESS BAR

Galvanised steel bar that makes access to the roof easier and safer

LADDER SUSPENSION BAR

Galvanised steel tube that may be used to support any type of ladder for access to the roof

Ladder available in our Control binder

POSITION SWITCH

Shows the standby or safety position of the rooflight.
Factory mounted

PAINT & GEL COAT

The gel coat on the base and the paint for the grille or bars are available in standard RAL shades

RAL 9010 RAL 9005

DEVICE OPENING

Interior opening + exterior opening

interior

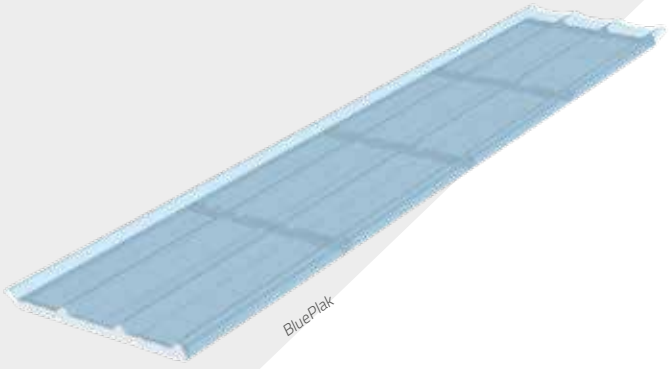
exterior

Overhead lighting

Lighting panel

BLUEPLAK

OVERHEAD LIGHTING



BLUETEK

- → Optimum natural lighting
- → Easy handling

Characteristics

Blueplaks consist of sheets joined together using extruded polycarbonate honeycomb profiles, factory assembled with high performance adhesives and reinforced by riveting.

- Ut : 2,4 W/m².K
- Impact resistance 1200 Joules

Can withstand the fall of a person according to the recommendations of CRAM and INRS

Maximum centre distance of 1500 mm (for standard panels PC and PLR)

- Fire resistance :

B-s1-d0 (Blueplak PC et PC R)

E (Blueplak PLR et PLR R)

Overhead lighting | Lighting panel

BLUEPLAK

Description

Four versions available:

POLYCARBONATE (PC) & POLYCARBONATE RENFORCÉ (PC R)

Sandwich panel system with a polycarbonate top skin (1 mm thick according to EN-1013) and a polycarbonate honeycomb bottom skin. The upper and lower skins are connected by extruded polycarbonate honeycomb profiles.

POLYESTER (PLR) & POLYESTER RENFORCÉ (PLR R)

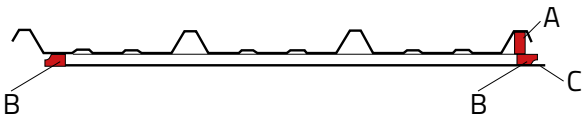
Sandwich panel system with a polyester top skin (EN 1013 standard, thickness 1.2) and a polycarbonate honeycomb bottom skin. The upper and lower skins are connected by extruded polycarbonate honeycomb profiles.

Overhead lighting | Lighting panel

BLUEPLAK

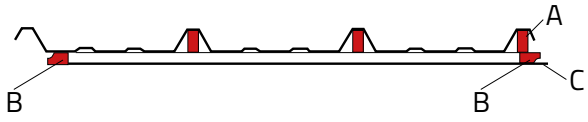
Technical sections

Standard Blueplak



A: Longitudinal polycarbonate reinforcement along the entire length of the overlapping rib.
B: Extruded polycarbonate honeycomb profiles.
The box of the Blueplack panels is made entirely of polycarbonate.
C: 4 mm polycarbonate honeycomb underside.

Reinforced Blueplak



The reinforced option (R) includes the addition of longitudinal polycarbonate reinforcements along the length of the ribs.

USABLE OR FOAMED LENGTH: 1000 MM MIN./6500 MM MAX.

Available profiles

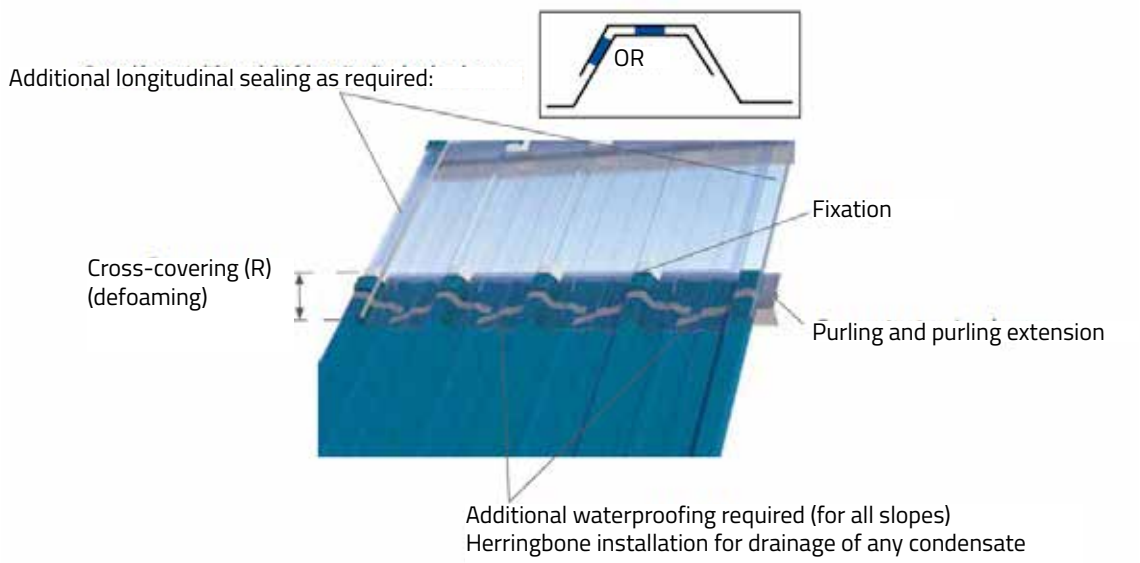
Name	Reinforced Polycarbonate (PC R)	Reinforced Polyester (PLR R)	Polycarbonate (PC)	Polyester (PLR)
Promisol 1001 (Ondatherm 1040 TS)	✓	✓	✓	✓
PGB TD5	✓	✕	✕	✕
Metecno RG5	✓	✓	✓	✓
Antilla	✕	✓	✓	✓
Italpann	✓	✕	✕	✕
Ondatherm 101 (Type JI ROOF D)	✓	✓	✓	✓
Glamet	✓	✓	✓	✓
Iso Euroc	✓	✓	✓	✓
Metecno A38	✕	✓	✕	✕
Isocinque	✓	✕	✕	✕
Ecopanel	✓	✓	✓	✓
Vulcasteel	✓	✕	✕	✕
Isocop 1000	✕	✕	✓	✓

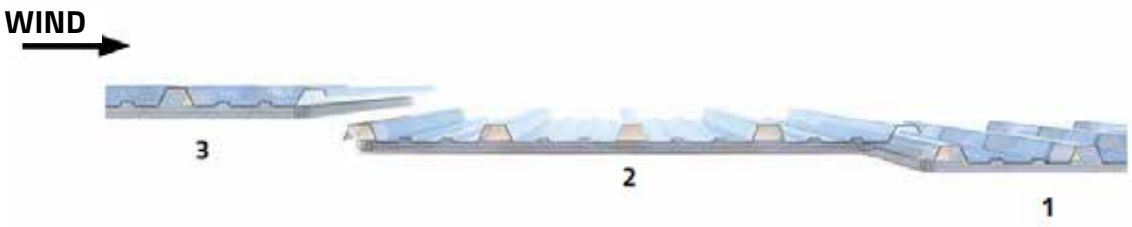
Some panels are available with an overlapping wave, with insulation or with a straight or sloping edge.

Overhead lighting | Lighting panel

BLUEPLAK

Installation & fixing





- Blueplak is fixed with the same fixings as the roofing panels
- One fastener with a distribution jumper on each rib, which is fixed to the purlin
- Always drill holes with a diameter +2 mm greater than the screw diameter
- At the top and bottom transverse overlaps, provide for the installation of a 3.5 x 12 double butyl joint strip.
- Underneath the longitudinal overlaps, provide a 3.5 x 12 mm Butyl seal
- Provide seam fixings on both sides of the Blueplak
- In all cases, follow the instructions in the installation manual supplied with the panels and comply with the DTU 40.35 guidelines.