



THERMIK'

CLASSIC | CONFORT | ELITE

PYROPASS®

OPTIMUM INSULATION

Urc: 0.9 W/m².K

(PYROPASS® ELITE 32+, size 120 x 120 cm,
 kerb 410 mm high)



KERB

- White powder-coated straight kerb
- 12/10th galvanised steel powder-coated in RAL 9010
- Grey powder-coated grab handle
- Grey powder-coated bar to hook on ladder
- 16 x 16 mm opening security bars, 1200 joules, powder-coated in RAL 9010
- 360 mm high with 30 mm bitumen surfaced insulation


CONTROL

- Crank handle opening/closing
- Built-in, offset mechanism

GLAZING

- S.PC 16
- S.PC 16+ 
- S.PC 32
- S.PC 32+ 
- PMMA triple dome
- Acoustik' Light 

OPTIONS

Glazing	Kerb	Control	Other
<ul style="list-style-type: none"> • Opal IR S.PC 16 • Grey S.PC 16 • Transparent S.PC 16 • Insulated aluminium cover • Solid PC triple dome 	<ul style="list-style-type: none"> • Kerb 410 mm high and over • Powder-coating on inside (standard RAL colours) • Panel colaminated at the top for PVC sealing • Panel galvanised at the top for PVC sealing • Bare insulation for PVC sealing 	<ul style="list-style-type: none"> • Position contactor 	 <p>Grab handle RAL 9006</p> <p>Bar to hook on ladder RAL 9006</p>

ADAPTER PLATE P. 10

AVAILABLE IN  **ACOUSTIK' LIGHT**



- NATURAL SMOKE EVACUATION
- DAYLIGHTING
- ROOF ACCESS

SUBSTRATE:
Watertight roof /
Existing kerb



— GEOMETRICAL DIMENSIONS AND AIRFLOW PERFORMANCES

Opening dimensions A x B (cm)	Overall heel dimensions C x D (cm)	Height H* (cm)	Lighting surface area (m ²)	E (cm)	Weight (kg)	Av (m ²)	Aa (m ²)	
							SD	AD
100 x 100	118 x 118	42	1.00	165	62	1.00	0.55	0.68
120 x 120	138 x 138	42	1.44	186	80	1.44	0.78	0.96

Please contact us for other sizes. * For a kerb 360 mm high.

— MAXIMUM PERMISSIBLE OVERLOADS SL (Pa)

Opening (cm)	Opening pressure							
	S.PC16/S.PC16+		S.PC32/S.PC32+/ 40 mm cover		S.PC32 & dome		S.PC32+ & dome/ Triple Dome/Acoustik' Light	
	SL250	SL500	SL250	SL500	SL250	SL500	SL250	SL500
100 x 100								
120 x 120								

Choice of centred or offset crossbar

— GLAZING PERFORMANCES

Other glazing: see "Glazing" technical data sheet

Types of glazing	Heat transfer coefficient U _g (W/m ² .K)		TL D65 ⁽²⁾	FS or g ⁽²⁾	Reaction to fire	R _w R _A =R _w +C R _{A,Tr} =R _w +C _{tr} (dB) ⁽³⁾
	U _{hor} ⁽¹⁾	U _{vert} ⁽¹⁾				
S.PC	Opal multi-wall S.PC 16	2.0	1.8	54%	55%	B,s1,d0 R _w =19 dB, R _A =19 dB R _{A,Tr} =17 dB
	S.PC 16 with transparent Lumira™ Aerogel	1.31	ND	67%	67%	B,s1,d0 R _w =21 dB, R _A =21 dB R _{A,Tr} =19 dB
	Transparent multi-wall S.PC 32	1.4	1.25	64%	57%	B,s1,d0 R _w =19 dB, R _A =18 dB R _{A,Tr} =18 dB
	S.PC 32 with 50% transparent Lumira™ Aerogel	0.8	ND	43%	45%	B,s2,d0 R _w =21 dB, R _A =21 dB R _{A,Tr} =20 dB
Cover	40 mm aluminium cover	0.85	ND	0%	ND	ND 63
Dome	Opal solid PC triple dome <i>Opal upper dome + transparent intermediate dome + transparent lower dome</i>	2.0	1.95	61%	ND	B,s2,d0 ND
Acoustik' Light	Acoustik' Light <i>Transparent S.PC 10 & transparent PCP 6</i>	2.1	ND	54	37	ND R _w =27 dB, R _A =R _{A,Tr} =26 dB

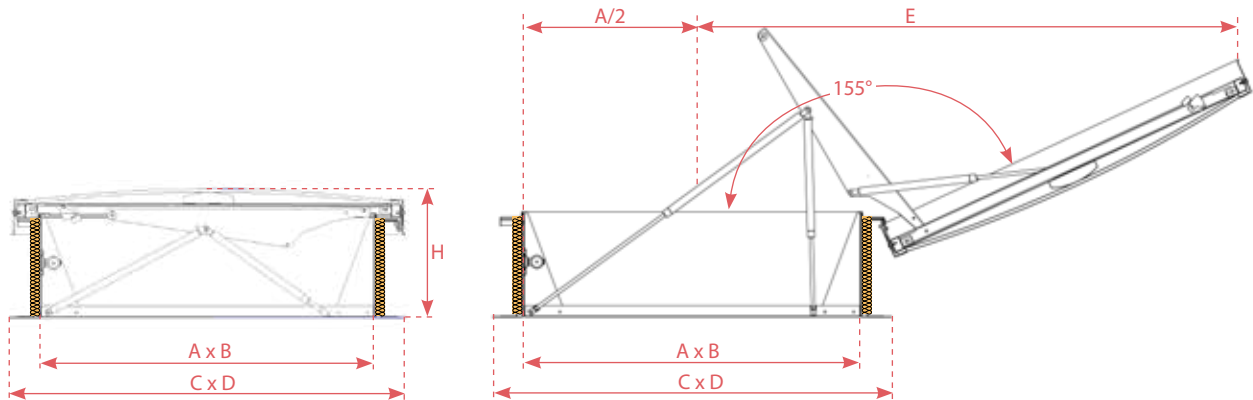
⁽¹⁾ According to §2.31 of the Th-Bat. rules.

⁽²⁾ Regular light transmission factor TL D65 and total solar transmission factor FS (TST or g) according to EN 410.

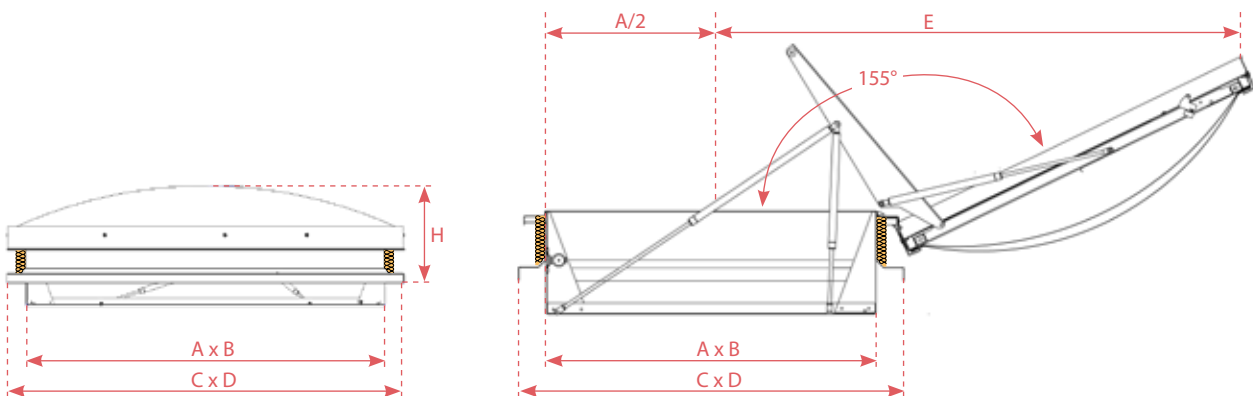
⁽³⁾ Glazing insulation to airborne noise R_w, pink noise R_A (neighbourhood, airport and industrial activities) and road noise R_{A,Tr} measured in the laboratory according to NF EN ISO 140.

TECHNICAL DIAGRAMS

PYROPASS® S.PC



Adapter plate
PYROPASS® double dome



CE PERFORMANCES

Evacuation system opening: type B
(opening + closing)

Reliability: Re 300

Low ambient temperature: T(0°)

Resistance to heat: B₃₀₀

Wind load: WL1500

Opening under load: SL250 or SL500
depending on the glazing

Heat triggering temperature: 93°C
(eutectic fuse mounted as standard)

CONFORMITY AND IMPLEMENTATION

CE-certified natural smoke and heat exhaust ventilator system compliant with standard **NF EN 12101-2 (product certification no. 0333 CPR 219016)**.

Fastening and sealing must comply with the requirements set out in French legislation (DTU) series 40 and 43 currently in force.

Maximum insulation height: the minimum height of the waterproofing upstand to comply with according to French legislation (DTU) is 150 mm.

The waterproofing complex (substrate, vapour barrier, insulation and two-layer sealing) cannot be more than 140 mm for an inner kerb height of 310 mm or more than 240 mm for an inner kerb height of 410 mm.

Maximum authorised slope: 25° or 46% (see installation instructions).

Only the security bar option guarantees 1200-joule protection.

Declaration of Performance available at www.skydome.eu



• NATURAL SMOKE EVACUATION
• DAYLIGHTING
• ROOF ACCESS

SUBSTRATE:
Watertight roof /
Existing kerb



— COMMERCIAL NAME



	CLASSIC ★	CONFORT ★★	ELITE ★★★
Kerb insulation	Kerb 360 mm high Insulation: • over the kerb height	Kerb 360 mm high Insulation: • over the kerb height • over the kerb frame return	Kerb 360 mm high Insulation: • over the kerb height • over the kerb frame return • between the steel frame and the aluminium frame
Glazing	16 mm S.PC (opal S.PC) 16 mm S.PC with LUMIRA (transparent S.PC) 32 mm S.PC (transparent S.PC) 16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC) Triple dome Opal upper dome + transparent int. dome + transparent lower dome 40 mm aluminium cover 10 mm S.PC + solid 6 mm PC	16 mm S.PC (opal S.PC) 16 mm S.PC with LUMIRA (transparent S.PC) 32 mm S.PC (transparent S.PC) 16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC) Triple dome Opal upper dome + transparent intermediate dome + transparent lower dome 40 mm aluminium cover 10 mm S.PC + solid 6 mm PC	16 mm S.PC (opal S.PC) 16 mm S.PC with LUMIRA (transparent S.PC) 32 mm S.PC (transparent S.PC) 16 mm S.PC + 16 mm S.PC with LUMIRA (transparent S.PC) Triple dome Opal upper dome + transparent intermediate dome + transparent lower dome 40 mm aluminium cover 10 mm S.PC + solid 6 mm PC
Commercial name	CLASSIC 16 CLASSIC 16+ CLASSIC 32 CLASSIC 32+ CLASSIC 3xD CLASSIC 40 OPAQUE CLASSIC ACOUSTIK' LIGHT	CONFORT 16 CONFORT 16+ CONFORT 32 CONFORT 32+ CONFORT 3xD CONFORT 40 OPAQUE CONFORT ACOUSTIK' LIGHT	ELITE 16 ELITE 16+ ELITE 32 ELITE 32+ ELITE 3xD ELITE 40 OPAQUE ELITE ACOUSTIK' LIGHT

— AIR PERMEABILITY AND LIGHT SURFACE AREA

Opening dimensions A x B (cm)	Air flow (m ³ /h) - Class AP06 ⁽¹⁾		ELA ⁽²⁾ (m ²)	
	Under 4 Pa	Under 50 Pa	360 mm high kerb	410 mm high kerb
100 x 100	0.14	0.92	0.36	0.35
120 x 120	0.17	1.07	0.54	0.52

⁽¹⁾ Air permeability tests conducted at CSTC according to the NF EN 1873 protocols (in reference to standards NF EN 12152 and NF EN 12153).
⁽²⁾ Effective lighting area (ELA) calculated with white powder-coated kerb and 16 mm structured polycarbonate.

— ACOUSTIC PERFORMANCES OF THE DEVICE



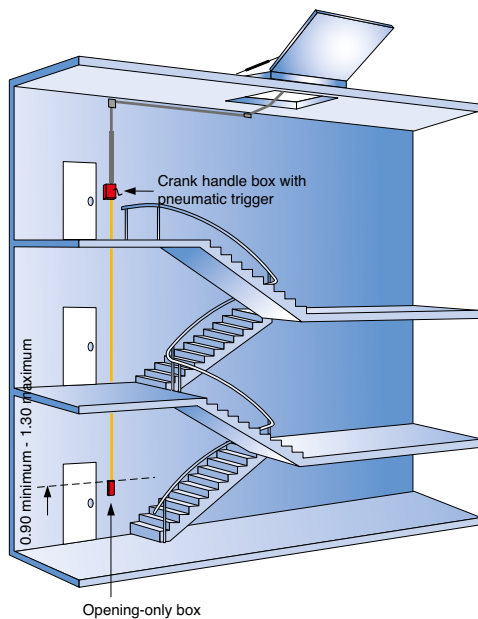
	S.PC 16	S.PC 16+	S.PC 32	S.PC 32 & dome	S.PC 32+	S.PC 32+ & dome	Opaque 40 mm aluminium cover	Triple dome	Acoustik' Light*
Noise reduction Rw (C;Ctr) (dB)	17(-2;2)	19(0;-1)	20(-2;-1)	25(-1;-3)	21(0;0)	26(-1;-3)	23(-1;-3)	20(0;-2)	25(-1;-1)
Intensity level generated by the rain LIA (dB)	77	74	75	63	72	61	63	63	66

Rw = noise reduction index measured in the laboratory according to EN 410 (airborne noise) - RA = Rw + C = "pink noise" reduction index - RA, tr = Rw + Ctr = "road noise" reduction index
*The acoustic performance of the device with ACOUSTIK' LIGHT glazing is declared only for the CONFORT and ELITE ranges.

MECHANISM CONTROL

We provide upgradeable installation kits for the PYROPASS® and the PYROPASS® adapter plate mechanism controls. These kits are easy to install with the option to combine a basic kit with several satellites (mechanical, pneumatic, electric). See *Installation kits* technical data sheet for the full list of our kits.

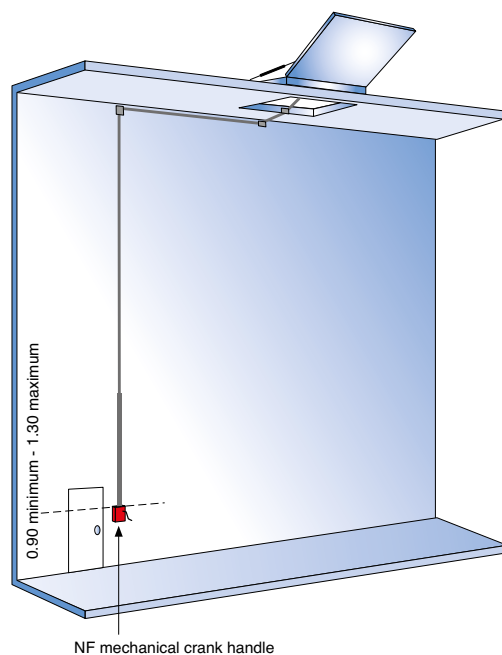
XKT 102D KIT



Composition:

- 1 NF crank handle with pneumatic trigger
- 15 m of cable
- 1 cable clamp
- 2 enclosed pulleys
- 1 offset pulley
- 2.5 lm of protective cable sleeve for cable
- Bag of fasteners
- 1 opening-only box with 30 g CO₂
- 25 m of copper
- 25 fixing clamps for copper pipe

XKT 101D KIT



Composition:

- 1 NF mechanical crank handle
- 15 m of cable
- 1 cable clamp
- 2 enclosed pulleys
- 1 offset pulley
- 2.5 lm of protective cable sleeve for cable
- Bag of fasteners



CLASSIC

IMPROVED THERMAL INSULATION

> Over the kerb height

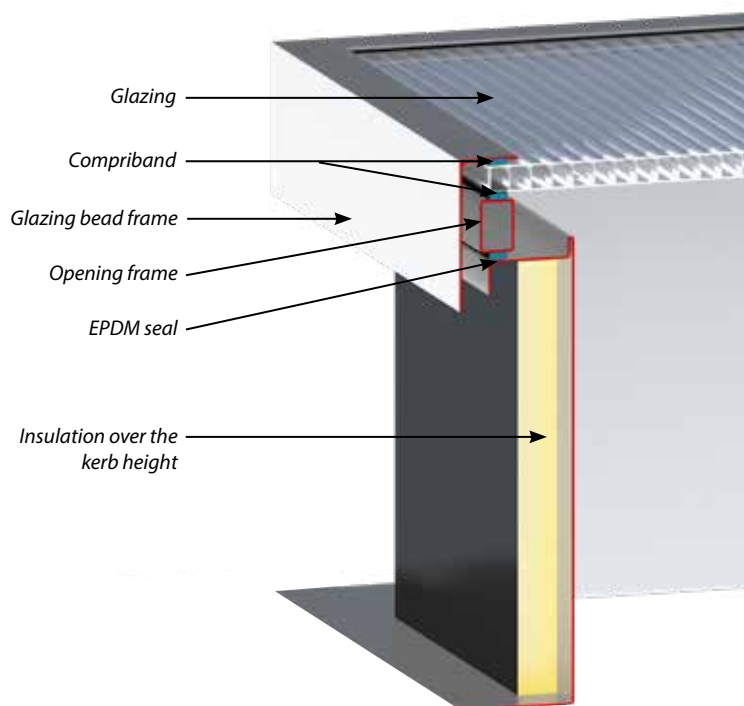
✓ **WIDE CHOICE OF GLAZING** meeting the various thermal, light transmission and solar factor performances

✓ $U_{RC} = 1.9 \text{ W/m}^2 \cdot \text{K}^*$

✓ **BETTER WATERPROOFING**

✓ Noise reduction **FROM 17 DB**

✓ **COMPLIANT WITH FRENCH LEGISLATION (DTU)** currently in force



— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

PYROPASS®												
Dimensions (cm)	Kerb 360 mm high						Kerb 410 mm high					
	U_{RC}					A_{RC}	U_{RC}					A_{RC}
	Acoustik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32**	S.PC 32+** & Opaque 40 mm aluminium cover		Acoustik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32**	S.PC 32+** & Opaque 40 mm aluminium cover	
100 x 100	2.5	2.4	2.1	2.2	2.0	3.1	2.4	2.3	2.0	2.1	1.9	3.3
120 x 120	2.5	2.4	2.1	2.2	2.0	3.8	2.4	2.3	2.0	2.1	1.9	4.1

* For a system measuring 120 x 120 cm, kerb 410 mm high, S.PC 32+ glazing.
 ** Adding a dome has no impact on the thermal conductance of the Urc device.



CONFORT

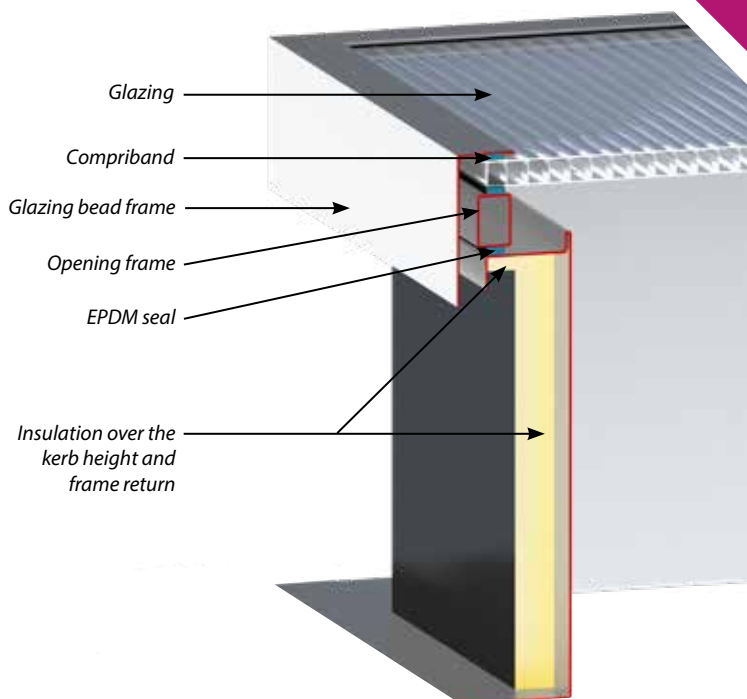
THERMAL CONDUCTANCE U_{RC} :

> 40% more efficient than the CLASSIC range

✓ WIDE RANGE OF GLAZING

✓ $U_{RC} = 1.1 \text{ W/m}^2 \cdot \text{K}^*$

✓ COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

PYROPASS®												
Dimensions (cm)	Kerb 360 mm high						Kerb 410 mm high					
	U_{RC}					A_{RC}	U_{RC}					A_{RC}
	Acoustik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32**	S.PC 32+** & Opaque 40 mm aluminium cover		Acoustik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32**	S.PC 32+** & Opaque 40 mm aluminium cover	
100 x 100	1.8	1.7	1.4	1.5	1.3	3.1	1.7	1.6	1.3	1.4	1.1	3.3
120 x 120	1.8	1.7	1.4	1.5	1.3	3.8	1.7	1.6	1.3	1.4	1.1	4.1

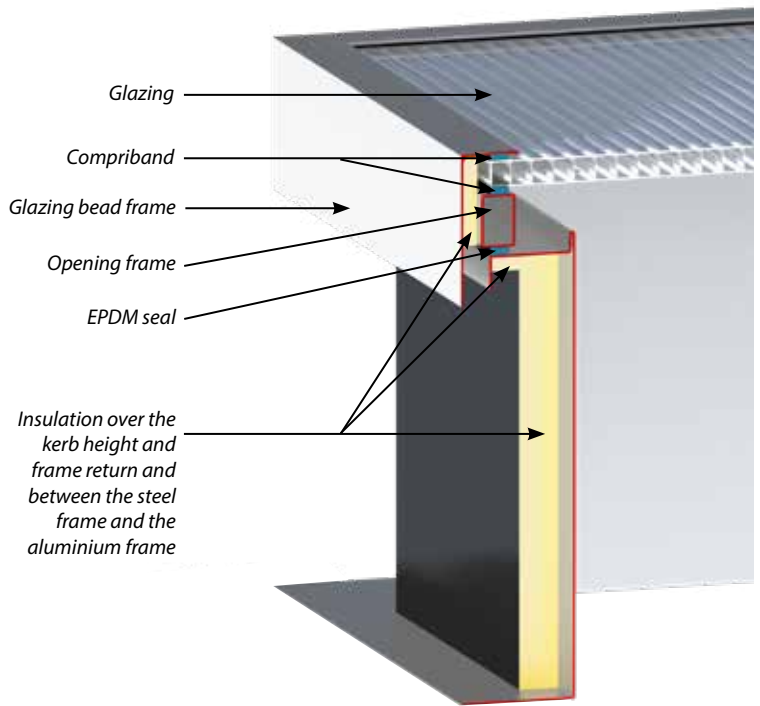
* For a system measuring 120 x 120 cm, kerb 410 mm high, S.PC 32+ glazing
 ** Adding a dome has no impact on the thermal conductance of the Urc device.



ELITE

THERMAL CONDUCTANCE U_{RC} :
 > 50% more efficient than the CLASSIC range

- ✓ WIDE RANGE OF GLAZING
- ✓ $U_{RC} = 0.9 \text{ W/m}^2 \cdot \text{K}^*$
- ✓ COMPLIANT WITH FRENCH LEGISLATION (DTU) currently in force



— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

PYROPASS®												
Dimensions (cm)	Kerb 360 mm high					A_{RC}	Kerb 410 mm high					A_{RC}
	U_{RC}						U_{RC}					
	Acoustik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32**	S.PC 32+** & Opaque 40 mm aluminium cover		Acoustik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32**	S.PC 32+** & Opaque 40 mm aluminium cover	
100 x 100	1.7	1.6	1.3	1.4	1.2	3.1	1.6	1.5	1.2	1.3	1.0	3.3
120 x 120	1.6	1.5	1.2	1.3	1.1	3.8	1.5	1.4	1.1	1.2	0.9	4.1

* For a system measuring 120 x 120 cm, kerb 410 mm high, S.PC 32+ glazing.
 ** Adding a dome has no impact on the thermal conductance of the U_{RC} device.

**A CLOSER
LOOK AT ...**

THE PYROPASS® ADAPTER PLATE FOR RENOVATION AND CONFORMITY

— GEOMETRICAL DIMENSIONS AND AIRFLOW PERFORMANCES

Opening dimensions A x B (cm)	Overall dimensions C x D (cm)	Height H* (cm)	Lighting surface area (m ²)	E (cm)	Weight (kg)	Av (m ²)	Aa (m ²)	
							SD	AD
100 x 100	117 x 117	23	1.00	165	51	1.08	0.57	0.68
120 x 120	137 x 137	23	1.44	186	61	1.54	0.77	0.97

Please contact us for other sizes. * For a kerb 170 mm high.

— THERMAL PERFORMANCES: U_{RC} (W/m².K) AND A_{RC} (m²)

THE PYROPASS® adapter plate - Kerb 170 mm high

Dimensions (cm)	CLASSIC ★						CONFORT ★★						ELITE ★★★					
	U_{RC}					A_{RC}	U_{RC}					A_{RC}	U_{RC}					A_{RC}
	Acous- tik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32*	S.PC 32+* & Opaque 40 mm aluminum cover		Acous- tik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32*	S.PC 32+* & Opaque 40 mm aluminum cover		Acous- tik' Light	Triple dome & S.PC 16	S.PC 16+	S.PC 32*	S.PC 32+* & Opaque 40 mm aluminum cover	
100 x 100	3.2	3.1	2.8	2.9	2.6	2.3	2.6	2.5	2.1	2.2	1.9	2.3	2.5	2.4	2.0	2.1	1.8	2.3
120 x 120	3.1	3.0	2.6	2.7	2.4	2.9	2.5	2.4	2.0	2.1	1.7	2.9	2.4	2.3	1.9	2.0	1.6	2.9

* Adding a dome has no impact on the thermal conductance of the Urc device.



• NATURAL SMOKE EVACUATION
• DAYLIGHTING
• ROOF ACCESS

SUBSTRATE:
Watertight roof /
Existing kerb



PYROPASS®

**A CLOSER
LOOK AT ...**

**THE PYROPASS® ADAPTER PLATE
FOR RENOVATION AND CONFORMITY**

The PYROPASS® ADAPTER PLATE is used to adapt to all types of kerb to bring systems into compliance or change the original function **whilst keeping the existing kerb.**

**OPTIONS
in addition to the
options on p. 1**

Kerb

- Heel width by request to adapt to the existing substrate
- Kerb height by request

GLAZING

- S.PC 16
- S.PC 16+ Lumira aerogel
- S.PC 32
- S.PC 32+ Lumira aerogel
- PMMA triple dome
- Acoustik' Light ACOUSTIK'

CONTROL

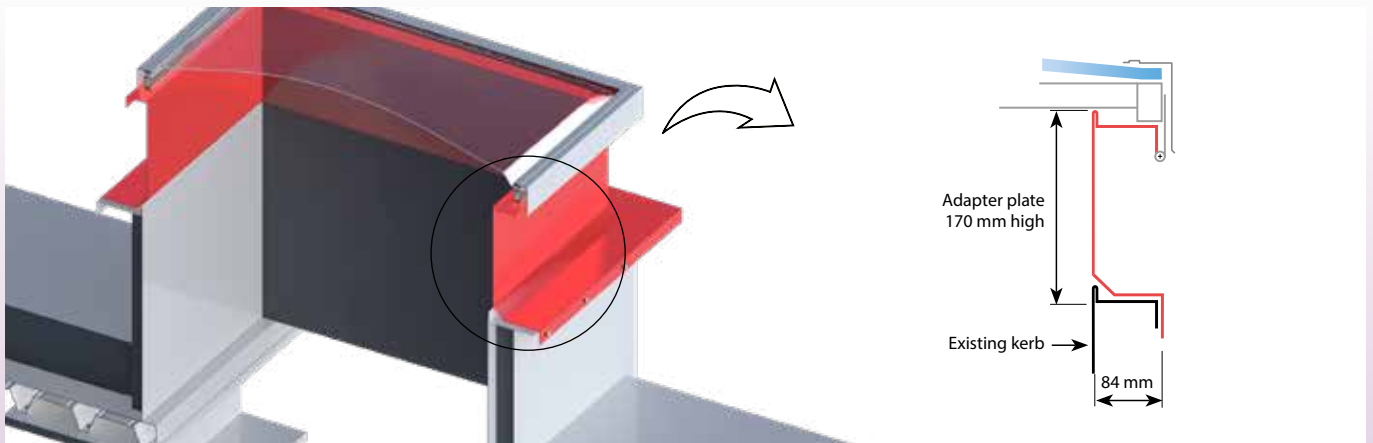
- Gas spring opening system and manual closing using a handle

KERB

- Insulated kerb with protective galvanised steel panel, 84 mm heel and 40 mm apron
- 12/10th galvanised steel
- Height 170 mm



INSTALLATION DIAGRAM



Ref: 2018.10.PYROPASS THERMIK - 10/2018 - Document is not contractual, photos are not contractual.
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