

For DRY ROOFS OR SANDWICH PANEL ROOFS

ROOFTRAP®

CE
EN 1873 + A1: 2016



Types of filling

THERMIK' RANGE:

- PCA 16
- PCA 16 + Lumira*
- PCA 32
- PCA 32 + Lumira*
- PMMA triple dome
- Acoustik'Light



Upstand

- 310 mm high GRP base with a skewed insulated opening



Control

- Gas spring opening
- Handle-operated manual closing



VERSION

The ROOFTRAP® is a roof access skylight intended for dry roofs or sandwich panel roofs on all types of buildings (including public buildings, work premises and industrial buildings).



Also available:



OPTIONS



Types of filling

- Opal PCA 16 IR
- Grey PCA 16
- Transparent PCA 16
- Insulated aluminium cover
- Solid PC triple dome



Upstand

- Lacquered interior and exterior (standard RAL colours)



Other information

- Opening system fitted with 16 x 16 mm 1200 joule security bars, galvanised or lacquered.
- Ladder attachment bar
- Retractable crosspiece
- Variable thickness of insulation on underside



RAL colours on exterior surfaces

- Standard colour

- RAL colours at no extra cost**

RAL 9010*

RAL 5008

RAL 7015

RAL 7022

RAL 8012

* Interior colour:
RAL 9010 only
** Contact us if you
require a different
colour

Dimensions

Roof opening dimensions CA x CB (cm)	Roof joist dimensions* (cm)	Height H** (cm)		Light surface (m ²)	Weight*** with security bars (kg)	
		PCA	DD		PCA	DD
100 x 100	Use the base search engine on the website www.skydome.eu	36	37	1.00	90	94
120 x 120		36	37	1.44	107	116

Contact us for other dimensions.

* Stated base dimensions have a tolerance of +/- 5 mm.

** For a base height of 310 mm.

*** Stated weight is for the product on a dry roof.

Filling performance

Other filling and filling options: see "Filling" data sheet.

	Type of filling	Thermal transmittance factor Ug (W/ m ² .K)	LT D65 ⁽²⁾	SF or g ⁽²⁾	Reaction to fire	R _w (dB) ⁽³⁾
		U _{hor} ⁽¹⁾				
PCA	Opal multi-wall PCA 16	1.9	45%	46%	B-s1-d0	R _w =21 dB
	Transparent PCA 16 with Lumira™ aerogel	1.5	67%	67%	B-s1-d0	R _w =21 dB
	Opal multi-wall PCA 20	1.6	54 %	47%	B-s2-d0	R _w =21 dB
	Transparent multi-wall PCA 32	1.3	33%	49%	B-s2-d0	ND
	Transparent PCA 32 with 50% Lumira™ aerogel	0.97	43%	45%	ND	ND
Cover	40 mm aluminium cover	0.85	0%	ND	ND	ND
Domes	Opal PMMA triple dome Opal PMMA upper dome + transparent PMMA interior dome + transparent PMMA lower dome	2.76	ND	ND	ND	ND
	Opal solid PC triple dome Opal solid PC upper dome + transparent solid PC interior dome + transparent solid PC lower dome	2.76	ND	ND	ND	ND
Acoustik' Light	Acoustik' Light Transparent PCA 10 & transparent PCA 6	2.1	ND	ND	ND	R _w =27 dB

⁽¹⁾As per §2.31 of the Th-Bal regulations.

⁽²⁾ Light transmittance LT D65 and total solar transmittance SF (TST or g) as per EN 410.

⁽³⁾ Filling insulated against airborne noise R_w, pink noise R_a (environment, airport and industrial activities) and road noise R_{av}, laboratory-measured according to NF EN ISO 140.

⁽⁴⁾ The acoustic attenuation indices R and rain-generated sound intensity levels LIA were measured for the device in the laboratory according to NF EN ISO 140.

Trade name

Trade name	Types of filling	Upstand insulation
ROOFTRAP	THERMIK' 16	16 mm PCA(Opal PCA)
	THERMIK' 16+	16 mm PCA with LUMIRA (Transparent PCA)
	THERMIK' 20	20 mm PCA (Opal PCA)
	THERMIK' 32	32 mm PCA (Transparent PCA)
	THERMIK' 32+	16 mm PCA + 16 mm PCA with LUMIRA (Transparent PCA)
	THERMIK' 3xD	Triple dome Opal upper dome + transparent intermediate dome + transparent lower dome
	THERMIK' 40 OPAQUE	40 mm aluminium cover
	THERMIK' ACOUSTIK' LIGHT	10 mm PCA + 6 mm solid PC
		Upstand height: 360 mm Insulation: <ul style="list-style-type: none"> • on vertical part of upstand • on upstand top lip

Air permeability and light surface*

Roof opening dimensions A x B (cm)	Air flow (m ³ /h) - Class AP06 ⁽¹⁾		ELS ² (m ²)
	Less than 4 Pa	Less than 50 Pa	Straight upstand
			360 mm upstand
100 x 100	0.12	0.76	0.38
120 x 120	0.14	0.91	0.56

⁽¹⁾ Air permeability tests carried out at the CSTC test centre as per NF EN 1873 protocols (with reference to the standards NF EN 12152 and NF EN 12153).

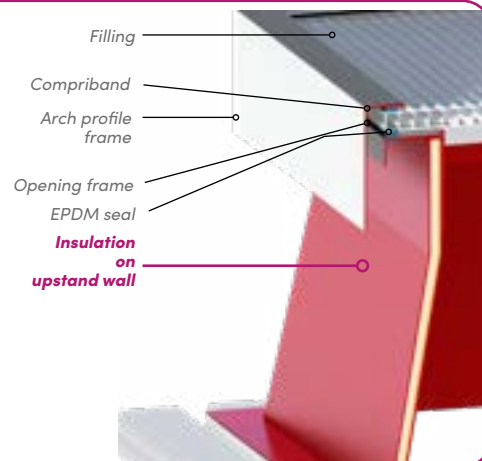
⁽²⁾ Effective light surface calculated with white lacquered upstand and PCA 16 filling.

* Maximum possible performance (contact us)

Product $U_{RC} : 2.2 \text{ W/m}^2.K^*$

ENHANCED THERMAL INSULATION

- ✓ **Wide range of filling options** with different thermal insulation, light transmittance and solar factor performance
- ✓ $U_{RC} = 2.2 \text{ W/m}^2.K^*$
- ✓ **Compliant with applicable DTU specifications**
- ✓ **Superior watertightness**



Thermal performance: U_{RC} ($\text{W/m}^2.K$) and A_{RC} (m^2)

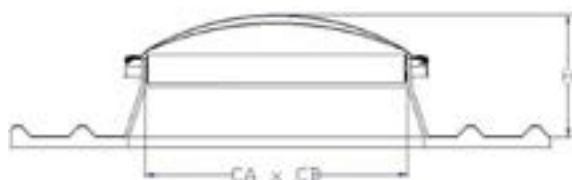
ROOFTRAP®									
Upstand height: 360 mm									
Dimensions (cm)	U_{RC}							Opaque 40 mm aluminium cover	A_{RC}
	Acoustik' Light†	PCA 16	PCA 16+	PCA 20	PCA 32**	PCA 32+	Triple dome		
100 x 100	2.7	2.6	2.5	2.5	2.4	2.3	3.4	2.2	2.6
120 x 120	2.7	2.6	2.4	2.5	2.3	2.2	3.3	2.1	3.4

* For a 120 x 120 cm unit with a 3 mm high upstand and PCA 32+ filling.
 ** Adding a dome has no effect on the unit's thermal conductivity U_{RC} .

Technical diagrams

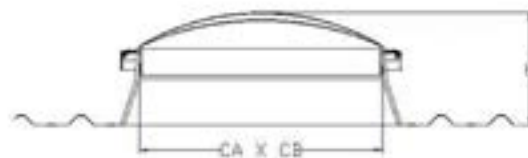
THERMIK' range

INSULATED DECK - ROOFTRAP - PCA

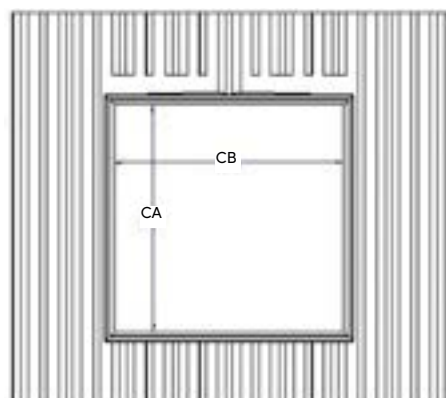
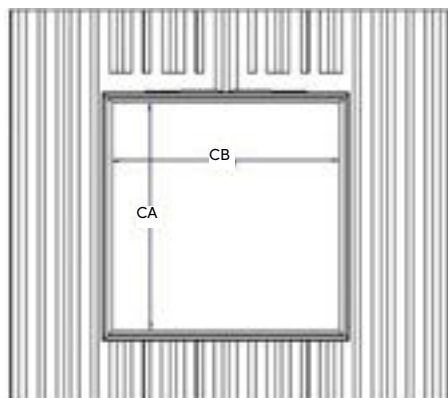


THERMIK' range

UNINSULATED DECK - ROOFTRAP - PCA



CROSS-SECTION



COMPLIANCE & INSTALLATION

Compliant with EU standard NF EN 1873.

- The product must be fastened and sealed in accordance with the requirements defined in the applicable DTUs in series 40.35 (NF P 34-205-1). Maximum permissible slope: 25° or 46% (see installation instructions).

DoP available at www.skydome.eu

It is the responsibility of the roof access owner to provide, near to and accessible from the skylight (pursuant to Article R. 4211-3 of the French Labour Code - Decree No.2001-1461 of 7 November 2001, Article 1):

- Anchorage facilities for short rooftop operations;
- Wherewithal allowing rapid installation of guardrails or safety nets for more extensive works;
- Permanent walkways for frequent use;

This skylight is not designed to meet the provisions of the aforementioned article.



SKYDÔME

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For the product range in other countries, please contact your local representative or visit www.skydome.eu.

SKYDÔME reserves the right to modify product specifications without notice. The information and technical details contained in this documentation are provided in good faith and apply to the uses described. The recommendations for use must be checked to ensure they are appropriate and comply with the actual requirements, the specifications and all applicable legislation and regulations.

For other applications and conditions of use, please contact our technical team. Their advice must be sought concerning uses of our products that are not described specifically herein.

Click this link to check that you are seeing the most up-to-date and accurate information about our products:
https://www.skydome.eu/fr/produit/103_rooftrap.html

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ROOFTRAP®

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Filling

ORIGIN' RANGE:
• Opal PCA 10



Upstand

• 310 mm high GRP base with a skewed insulated opening



Control

• Gas spring opening and handle-operated manual closing

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Also available:



OPTIONS



Types of filling

- Opal PCA 10 IR
- Black and white opaque PCA 10
- Transparent PCA 10
- Insulated aluminium cover
- PMMA double dome
- Solid PC double dome



Upstand

- Lacquered interior (standard RAL colours)



Other information

- Opening system fitted with 16x16 mm, 1200 joule security bars, galvanised or lacquered
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Filling performance

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Type of filling	Thermal transmittance factor Ug (W/ m ² .K)	LT D65 ⁽²⁾	SF 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⁾				
PCA Opal 4-wall PCA 10	2.9	61%	65%	B-s1-d0	R _w = 19 dB
Cover 40 mm aluminium cover	0.85	0%	ND	ND	ND
Dome Opal PMMA double dome <small>Opal upper dome + transparent lower dome</small>	2.89	ND	ND	ND	ND

⁽¹⁾Relative to the horizontal, as per §2.31 of the Th-Bat regulations.

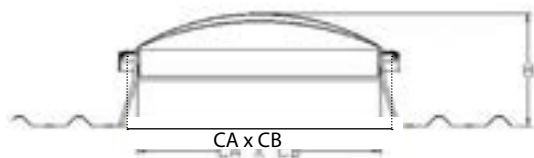
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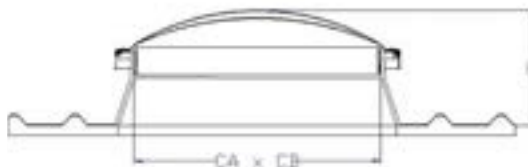
Technical diagrams

ORIGIN' range

INSULATED DECK - ROOFTRAP PCA



INSULATED DECK - ROOFTRAP double dome



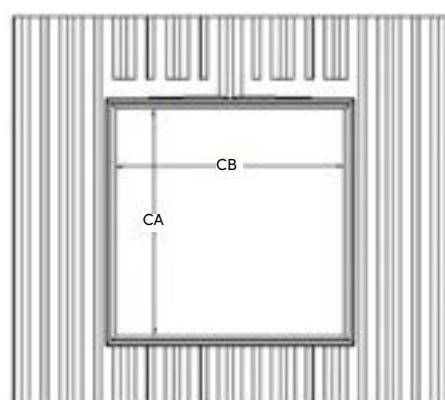
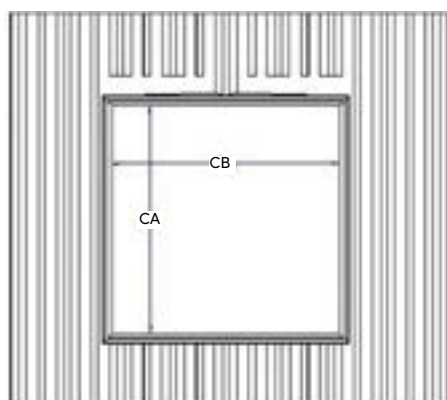
UNINSULATED DECK - ROOFTRAP PCA



UNINSULATED DECK - ROOFTRAP double dome



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