

For **WATERPROOFED ROOFS OR EXISTING UPSTANDS**

VOÛTE ARCADE®



Filling

THERMIK' RANGE:

- PCA 16
- PCA 16+
- PCA 32
- PCA 32+
- Acoustik'Light



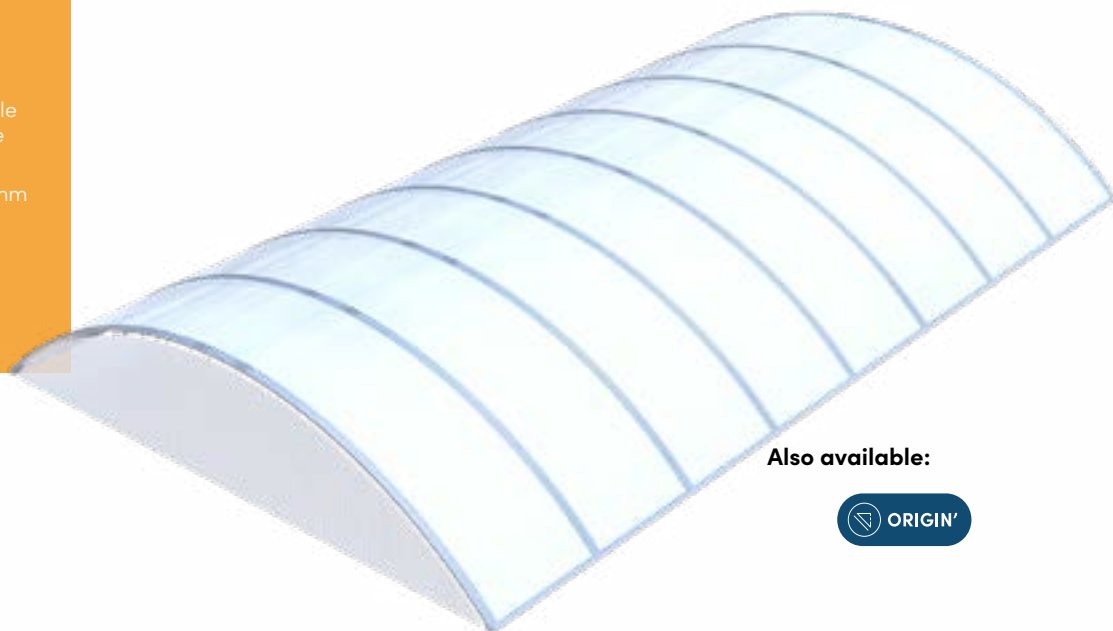
Metal frame and upstand

- Straight upstand with an angle of inclination depending on the arcade rooflight chord
- 2 mm galvanised steel, or 3 mm for chords > 2.5m
- Height 360 mm with 30 mm mineral wool insulation



VERSION

The VOÛTE ARCADE® is an arcade rooflight primarily intended for toplighting.



Also available:



OPTIONS



Types of filling

- Opal PCA 16 IR
- Transparent PCA 16



Upstand

- Upstand height 360 mm, 410 mm or more
- Lacquered interior (standard RAL colours)
- Colaminated sheet steel top for PVC waterproofing
- Galvanised sheet steel top for PVC waterproofing
- Bare insulation for PVC waterproofing



Other information

- Hot-lacquered frames (in RAL colours to order)
- 6 mm round bar or 16 x 16 mm 1200 joule square tube grid, galvanised or lacquered in standard RAL

Available versions



Filling performance

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

| Type of filling | | Thermal transmittance factor Ug (W/ m².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⁾ | Urc of Voûte Arcade ⁽⁴⁾ depending on filling |
|-----------------|--|---|-----------------------|------------------------|------------------|--|---|
| | | U _{hor} ⁽¹⁾ | | | | | |
| PCA | Opal multi-wall PCA 16 | 2.0 | 54% | 55% | B-s1-d0 | R _w =19 dB R _A =19 dB R _{A,Tr} =17 dB | 2.2 W/m².K |
| | Transparent PCA 16 with Lumira™ aerogel | 1.5 | 67% | 67% | B-s1-d0 | R _w =21 dB R _A =21 dB R _{A,Tr} =19 dB | 1.2 W/m².K |
| | Transparent multi-wall PCA 32 | 1.3 | 33% | 49% | B-s2-d0 | R _w =19 dB R _A =18 dB R _{A,Tr} =18 dB | 1.3 W/m².K |
| | Transparent multi-wall PCA 32 with Lumira™ aerogel | 0.97 | 43% | 45% | ND | R _w = 21 dB R _A = 21 dB R _{A,Tr} = 20 dB | 1.1 W/m².K |
| Acoustik'Light | Acoustik'Light Transparent PCA 10 & transparent PCA 6 | 2.1 | ND | ND | ND | R _w = 27 dB R _A = R _{A,Tr} = 26 dB | 2.4 W/m².K |

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

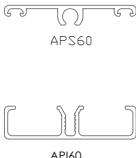
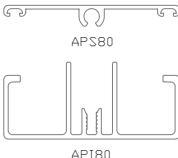
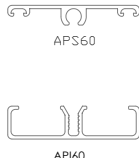
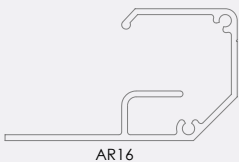


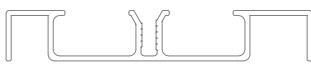

⁽²⁾Light transmittance LT D65 and solar transmittance SF (TST or g) as per EN 410.

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

⁽⁴⁾Indicative performance stated for a 360 mm high, 4,000 x 10,000 mm VOÛTE ARCADE THERMIK' unit.

Profile range

A wide range of profiles are available, enabling the VOÛTE ARCADE® to be easily adapted for any building configuration.

| | VOÛTE ARCADE® CHORD | | | |
|--|---|---|---|-------------------------------------|
| | From 1.5 to 4 m | From 4 to 6 m | From 2.5 to 4 m | From 4 to 6 m |
| Filling | PCA 16 / PCA 16+ / Acoustik'Light | | PCA 32 / PCA 32+ | |
| Arch profile and load-bearing profiles |  APS60 API60 |  APS80 API80 |  APS60 API60 | Pending. Contact us for details. |
| Edge profiles |  AR16 |  ARGP16 |  | |
| Gable end profiles |  AT60 | |  AT60 | |

COMPLIANCE & INSTALLATION

Compliant with **NF EN 14963**.

Maximum insulation height: as per the DTUs, the sealing flashing must extend to a height of at least 150 mm.

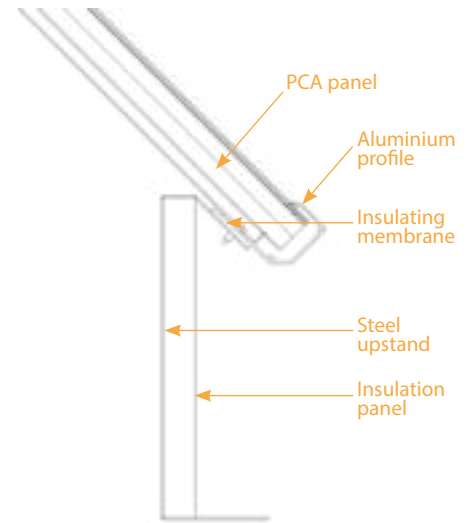
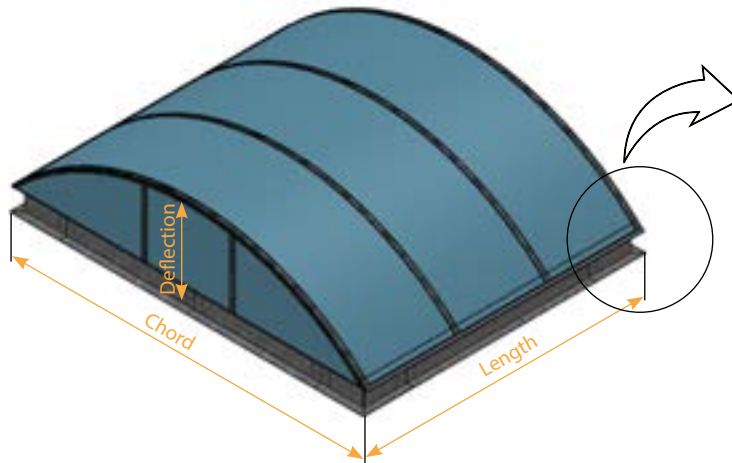
The waterproofing complex (substrate, vapour barrier, insulation and two-layer sealant) must be no thicker than 140 mm for an interior upstand height of 360 mm, or 150 mm for an interior upstand height of 410 mm.

Maximum permissible slope: contact us.

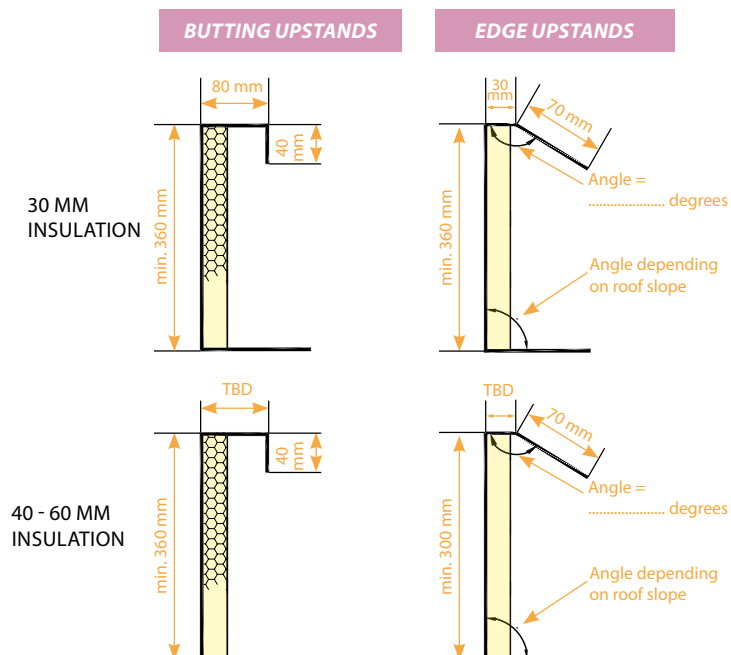
DoP available at www.skydome.eu

Technical diagrams

THERMIK' range VOÛTE ARCADE®



THERMIK' range Upstand types for waterproofed roofs



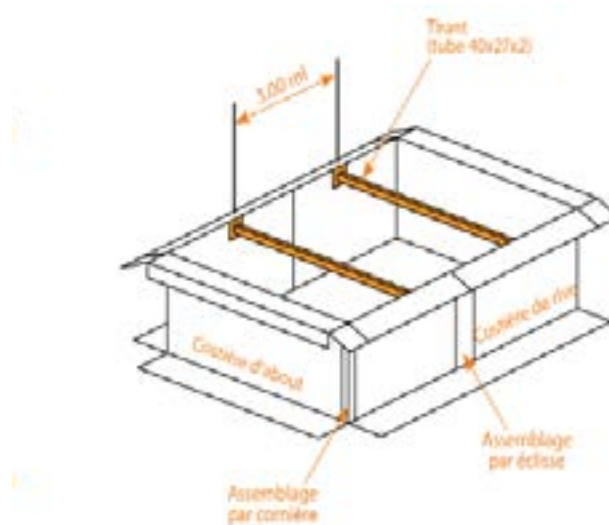
THERMIK' range

Installation recommendations – Voûte Arcade – Arcadef – Arcadef GD

To guarantee the performance and durability of our Arcade vaults and vault openings, it is essential to comply with the following recommendations:

Structural reinforcements

Metal tie rods (40 × 27 × 2 mm tubes) must be integrated into the upstands (SKYDOME or existing), at the rate of one tie rod every 3 linear metres.



This is essential to ensure the mechanical stability of the ARCADE VOUTE and any ARCADEF or ARCADEF GD sashes.

Checks before installation

- Upstand dimensions: as shown on the plans supplied (length, width, thickness, angles).
- Upstand squareness: maximum tolerance of 20 mm.
- Hopper dimensions: internal width (chord) and length within a tolerance of ± 10 mm.

Any deviation must be corrected before assembly. In the absence of conformity, the SKYDOME guarantee may be suspended.

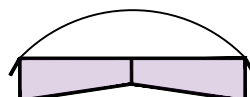
THERMIK' range

Gable end types

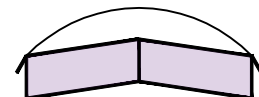
Type 1:
Installation on flat roof



Type 2:
Installation on ridge



Type 3:
Installation on ridge with slope adjustment





SKYDÔME

Entre Deux Villes
02270 Sons-Et-Ronchères, France
Tel: +33 (0)3 23 21 79 90
Email: info@skydome.eu
www.skydome.eu

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:

For **WATERPROOFED ROOFS OR EXISTING UPSTANDS**

VOÛTE ARCADE®



Fillinf

ORIGIN' RANGE :

- PCA 10 opal multiwall

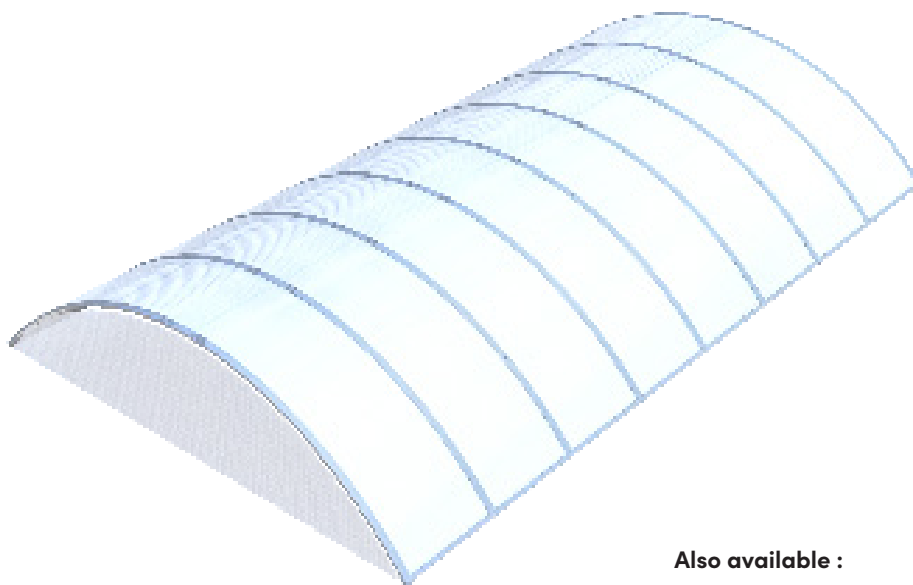


Upstand and metal framework

- Straight upstand with inclination angle according to the chord of the arch
- 20/10 galvanised steel for chords > 2.5 m
- Height 310 mm with 15 mm bituminous insulation

VERSION

The ARCADE® ROOFLIGHT is a continuous skylight designed primarily for overhead lighting.



Also available :



OPTIONS



Types of filling

- Opal PCA 10 IR
- Transparent PCA 10
- PCA 10 +
- Opal PCA 16 IR
- Transparent PCA 16



Upstand

- Upstand height 360 mm, 410 mm and more
- Interior lacquering (standard RAL colours)
- Colaminated sheet metal at top for PVC waterproofing
- Galvanised sheet metal at top for PVC waterproofing
- Bare insulation for PVC waterproofing



Autres

- Thermo-lacquered frames (choice of RAL colours)
- 6 mm round grille or 16x16 mm square table, 1200 joules, galvanised or lacquered in standard RAL colours

Available versions



Filling performance

Other filling and filling options : see «Filling» data sheet.

| Type of filling | | Thermal transmittance factor Ug (W/m².K) | TL D65 ⁽²⁾ | FS ou g ⁽²⁾ | Reaction to fire | R _w (dB) ⁽³⁾ |
|-----------------|---|--|-----------------------|------------------------|------------------|------------------------------------|
| | | U _{hor} ⁽¹⁾ | | | | |
| PCA | Opal 4 wall PCA 10 | 2.7 | 56 % | 59 % | B-s1-d0 | R _w =17 dB |
| | Transparent PCA 10 with Lumira™ Aérogel | ND | ND | ND | ND | ND |
| | Opal multi-wall PCA 16 | 2.0 | 54 % | 55 % | B-s1-d0 | R _w =19 dB |
| | Transparent PCA 16 with Lumira™ Aérogel | 1.5 | 67 % | 67 % | B-s1-d0 | R _w =21 dB |





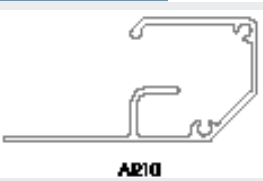
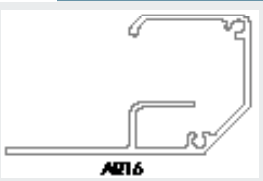
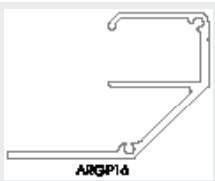

(1) In relation to the horizontal, according to §2.31 of the Th-Bat rules.

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

(3) Insulation of the filling against airborne noise R_w, pink noise RA (neighbourhood, airport and industrial activities) and road noise RA_{Tr} measured in a laboratory in accordance with NF EN ISO 140.

Profile range

A wide range of profiles are available, enabling the VOÛTE ARCADE to be easily adapted for any building configuration.

| | VOÛTE ARCADE® CHORD | | |
|-----------------------------------|--|--|---|
| | From 1 à 4 m | From 1.5 à 4 m | From 4 à 6 m |
| Filling | PCA 10 mm | PCA 16 mm | PCA 16 mm |
| Glazing bead and support profiles |  APS60 | |  APS80 |
| |  APS10 | |  APS16 |
| Edge profiles |  AR10 |  AR16 |  ARGP16 |
| Profiles of eardrums |  AT60 | | |

COMPLIANCE & INSTALLATION

Compliant with **NF EN 14 963**

Maximum insulation height: the height of the waterproofing upstand must be at least 150 mm in accordance with the DTU.

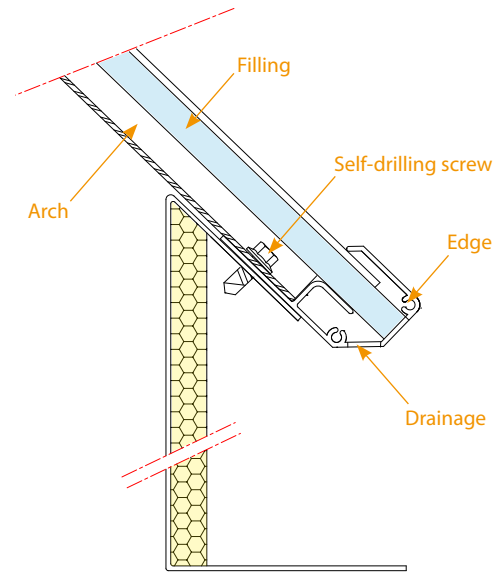
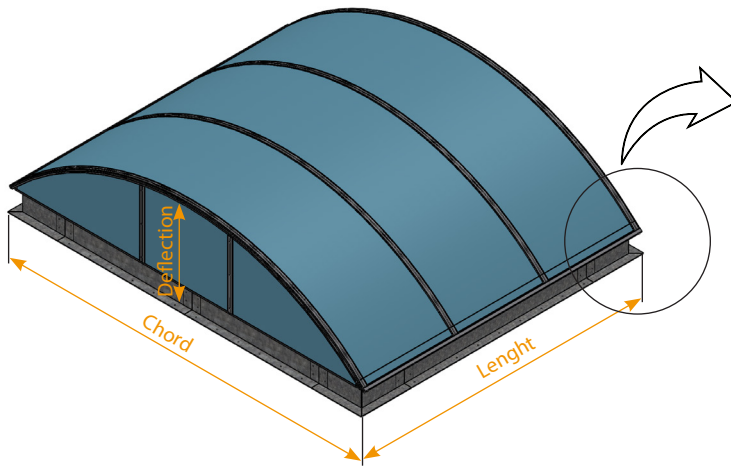
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Maximum permissible slope : contact us.

Dop available at www.skydome.eu

Technical diagrams

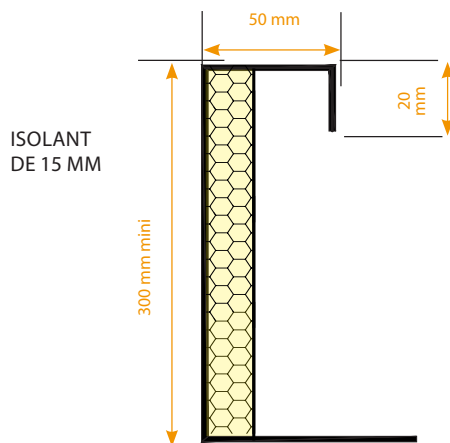
ORIGIN' range VOÛTE ARCADE®



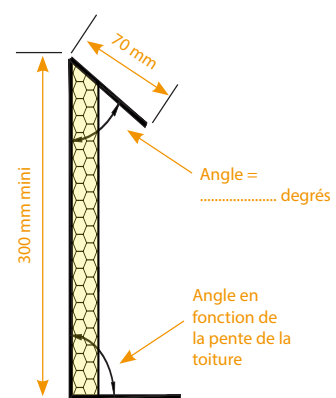
ORIGIN' range

Uprand types for waterproofed roofs

BUTTING UPSTANDS



EDGE UPSTANDS



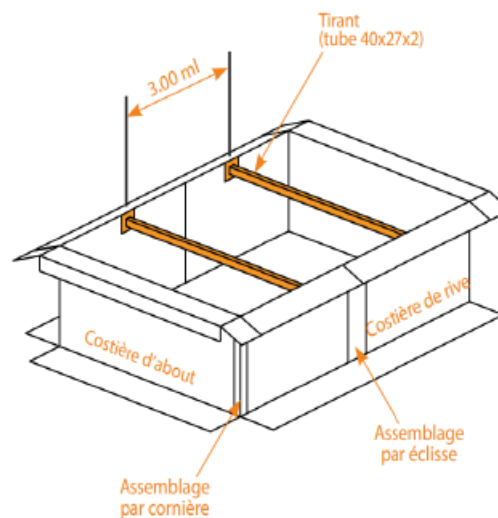
ORIGIN' range

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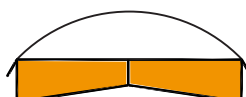
ORIGIN' range

Gable end types

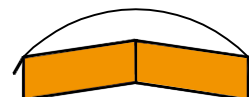
Type 1 :
Installation on flat roof



Type 2 :
Installation on ridge



Type 3 :
Installation on ridge with slope adjustment





SKYDÔME

Entre Deux Villes
02270 Sons-et-Ronchères
T : 03 23 21 79 90
M : info@skydome.eu
www.skydome.eu

For the product range in other countries, please contact
your local representative or visit
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notice. The information and technical details contained in this
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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
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