VOÛTE ARCADE ®

VERSION 　❄ RPT

Filling
THERMIK' RANGE:
• PCA 16
• PCA 16+
• PCA 20
• PCA 32
• PCA 32+

Metal frame upstand and

• Straight upstand with angle of inclination according to arch chord.
20/10 or 30/10 galvanized steel, depending on substrate characteristics.
• Height 400 mm with 50 mm rockwool insulation (other thicknesses on request).
• Curved PVC and aluminum profiles with thermal bridge break.

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

also available

ⓢ ORIGIN'　🌡 THERMIK'

OPTIONS

Filling
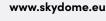• PCA 16 IR opale
• PCA 16 transparent
• PCA 20 transparent

Upstand
• Upstand height 400 mm or more
• Lacquered interior (RAL standard 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

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Performances du remplissage

Type of filling		Thermal transmittance factor Ug (W/m².K) U_{hor} [1]	LT D65 [2]	SF ou g [2]	Reaction to fire	R_w (dB) [3]	Urc of Voûte Arcade [4] depending on filling
PCA	Opal multi-wall PCA 16	2.0	54 %	55 %	B-s1-d0	R_w =19 dB	2.2 W/ m².K
	Transparent PCA 16 with Lumira™ aerogel	1.5	67 %	67 %	B-s1-d0	R_w =21 dB	1.2 W/ m².K
	PCA 20 multi- wall opalescent (PCA10 + PCA10)	1.6	54%	47%	B-s1-d0	R_w =21 dB	1.6 W/ m².K
	Transparent multi-wall PCA 32, (PCA16+ PCA16)	1.3	33 %	49 %	B-s2-d0	R_w =19 dB	1.3 W/ m².K
	Transparent PCA 32 avec Aéro-gel Lumira™ multi-wall	0.97	43 %	45 %	ND	R_w = 21 dB	1.1 W/ m².K

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 Rw, pink noise RA (neighbourhood, airport and industrial activities) and road noise RA,Tr measured in a laboratory in accordance with NF EN ISO 140
(4) Performance data given as an indication for an ARCADE THERMIK' ROOF 4000 x 10000 mm, height 360 mm.

Isothermal curve

Curve section of the Voûte arcade RPT isothermal curve without additional insulation in the contact area.

Curve section of the Voûte arcade RPT isothermal curve with additional insulation in the contact area.

Hopper Dimensions *

Voûte hopper minimum 1.50m; maximum 5m. (Please contact us for more details)

* If the Arcadef Roof sash is integrated, refer to its permissible ranges. .

COMPLANCE & 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.

The waterproofing complex (substrate, vapour barrier, insulation and two-ply waterproofing) may not exceed 140 mm for an internal upstand height of 300 mm, or 150 mm for an internal upstand height of 410 mm.

Maximum permissible slope : contact us.

Dop available at www.skydome.eu

Technical diagrams

Aluminum glazing bead with double EPDM seal
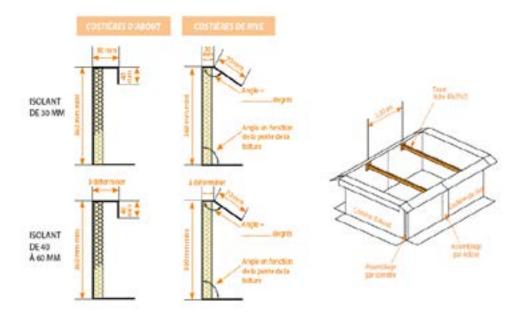
Aluminum support profile

PVC and aluminum structure

Upstand (50mm insulation supplied): other thicknesses on request

Upstand type for waterproof roofs

COSTIÈRES D'ABOUT

COSTIÈRES DE RIVE

ISOLANT DE 30 MM

ISOLANT DE 40 À 60 MM

Angle = ___ degrés

Angle en fonction de la pente de la toiture

Type of tympanum

Type 1 :
Flat roof installation

Type 2 :
Framing installation

Type 3 :
Ridge installation with slope adjustment

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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
www.skydome.eu.

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