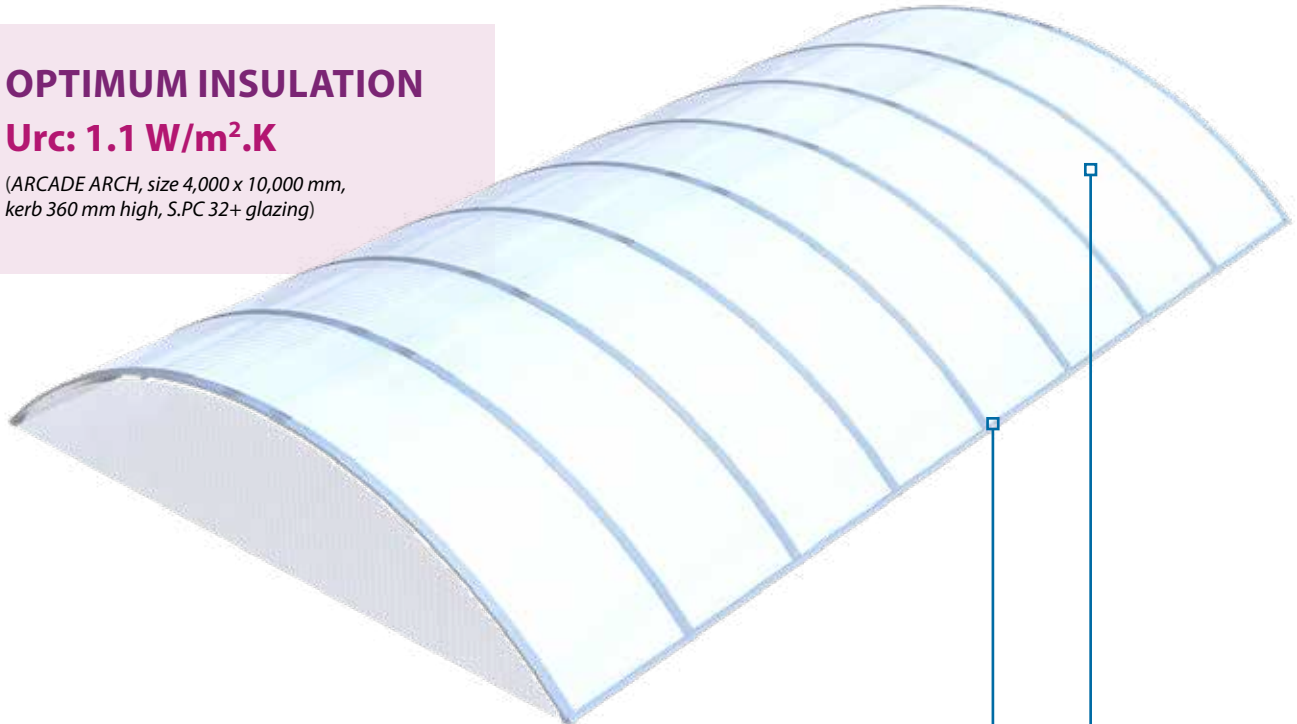




OPTIMUM INSULATION

Urc: 1.1 W/m².K

(ARCADE ARCH, size 4,000 x 10,000 mm,
kerb 360 mm high, S.PC 32+ glazing)



METAL EDGE PROFILE

- Aluminium profiles to attach to the substrate to:
 - Attach the support profiles
 - Collect and drain away run-off water and condensation
 - Hold the glazing in the lower part
 - Tension the glazing bead profiles
- EPDM seal to clip onto the metal edge profiles between the glazing bead profiles or cover joints

SPANDRELS

- Spandrels fully assembled in the factory
 - Spandrels for flat roof installation
 - Spandrels for ridge installation
- Spandrels for installation with slope adjustment

METAL KERB AND FRAME

- Straight steel kerb with tilt according to the chord of the arch
- 20/10th or 30/10th galvanised steel for chord > 2.5 m
- 360 mm high with 30 mm rock wool insulation

GLAZING BEAD PROFILES

- Aluminium profiles

SUPPORT PROFILES

- Bent aluminium profiles



GLAZING

- S.PC 16, Ug = 1.8 W/m².K
- S.PC 16+ Lumira aerogel
- S.PC 32
- S.PC 32+ Lumira aerogel
- Acoustik'Light



OPTIONS

Glazing

- Opal IR S.PC 16
- Transparent S.PC 16

Kerb

- Kerb height 360 mm, 410 mm and more
- 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

Other

- Powder-coated frames (choice of RAL colours)
- 6 mm round grid or 16 x 16 mm square tube, 1200 joules, galvanised or powder-coated in standard RAL colours

AVAILABLE IN



ACOUSTIK' LIGHT

GLAZING PERFORMANCES

Other glazing: see "Glazing" technical data sheet

Types of glazing	Heat transfer coefficient Ug (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⁾	Urc of ARCADE arch ⁽⁴⁾ for each glazing
	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	2.2 W/m ² .K
	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	1.2 W/m ² .K
	Transparent multi-wall S.PC 32	1.4	1.25	37%	38%	B,s2,d0 R _w =19 dB, R _A =18 dB R _{A,tr} =18 dB	1.3 W/m ² .K
	S.PC 32 with Lumira™ Aerogel, multi-wall, transparent	0.8	ND	43%	45%	B,s2,d0 R _w =21 dB, R _A =21 dB R _{A,tr} =20 dB	1.1 W/m ² .K
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	2.4 W/m ² .K

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

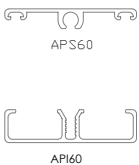
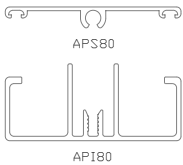
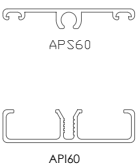
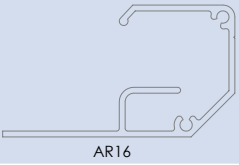
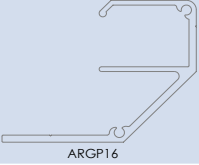
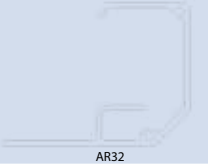


⁽²⁾ Regular light transmission factor TL D65 and total solar transmission factor FS (TST or g) according to EN 410.

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

⁽⁴⁾ Performance data provided for informational purposes for an ARCADE THERMIK' arch, 4000 x 10,000 mm, height 360 mm.

RANGE OF PROFILES

An extensive range of profiles allows the ARCADE' ARCH to be adapted to each building configuration.

	ARCADE ARCH CHORD			
	1.5 to 4 m	4 to 6 m	2.5 to 4 m	4 to 6 m
Glazing	S.PC 16/S.PC 16+/-Acoustik'Light		S.PC 32/S.PC 32+	
Glazing bead and support profiles				To be added. Contact us.
Metal edge profile				
Spandrel profiles				

CONFORMITY AND IMPLEMENTATION

Compliant with standard **NF EN 14963**.

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

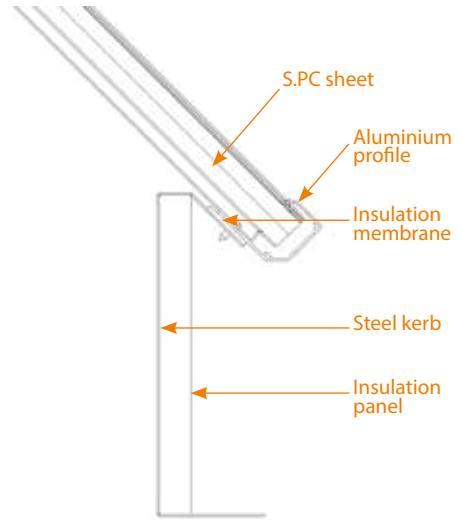
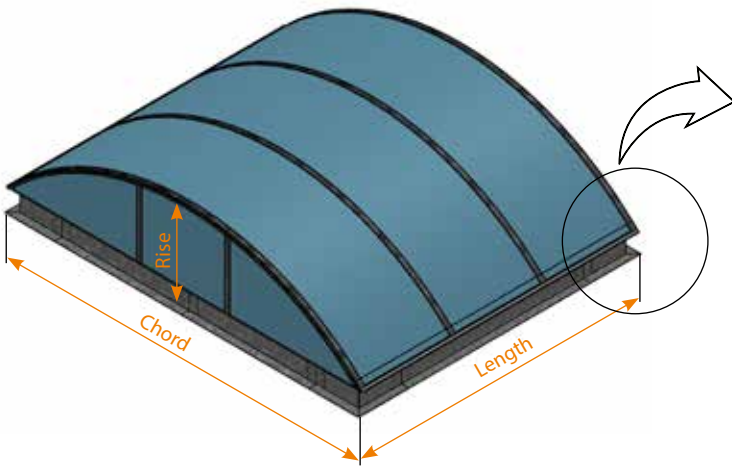
The waterproofing complex (substrate, vapour barrier, insulation and two-layer sealing) cannot be more than 140 mm for an inner kerb height of 360 mm or more than 150 mm for an inner kerb height of 410 mm.

Maximum permissible slope: contact us.

Declaration of Performance available at www.skydome.eu

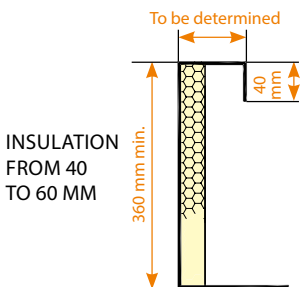
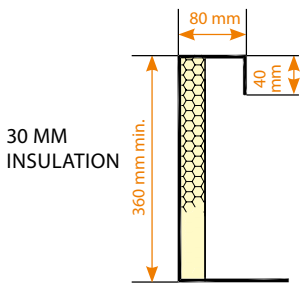
TECHNICAL DIAGRAMS

ARCADE® ARCH DIAGRAMS

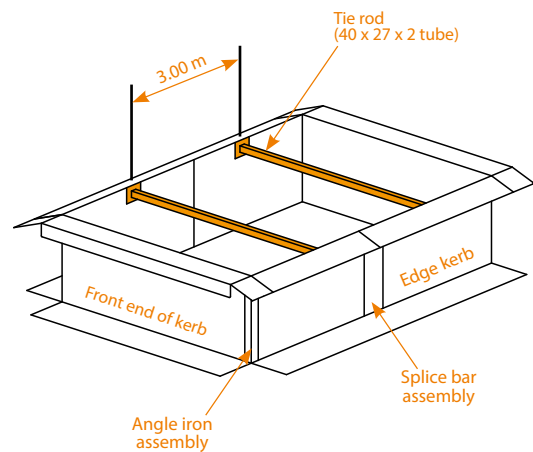
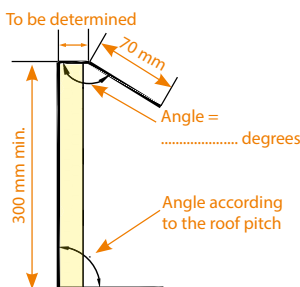
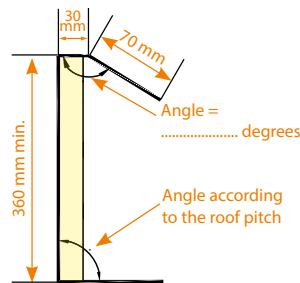


TYPES OF KERB FOR WATERTIGHT ROOF

FRONT END OF KERBS



EDGE KERBS

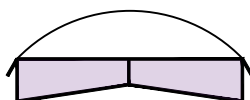


TYPES OF SPANDRELS

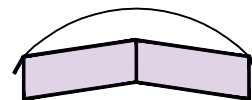
Type 1:
Flat roof installation



Type 2:
Ridge installation



Type 3:
Ridge installation with slope adjustment





FOR FURTHER INFORMATION...



The **natural smoke evacuation function** can be provided by a natural smoke and heat exhaust ventilator system certified compliant with standard NF EN 12101-2, fully integrated into the daylighting function of the ARCADE® arch: the **ARCADE® PM** (see specific technical data sheet).