For **WATERPROOFED ROOFS OR EXISTING UPSTANDS**

PYROMAX WD ®

CE
EN 12101-2
EN 1873 + A1 : 2016

THERMIK' **VERSION**

Type of filling

"THERMIK" RANGE :

- PCA 16
- PCA 16+
- PCA 20
- PCA 32
- PCA 32+
- 40 mm aluminium cover
- Acoustik' light

Upstand

- 1.2 mm galvanised steel

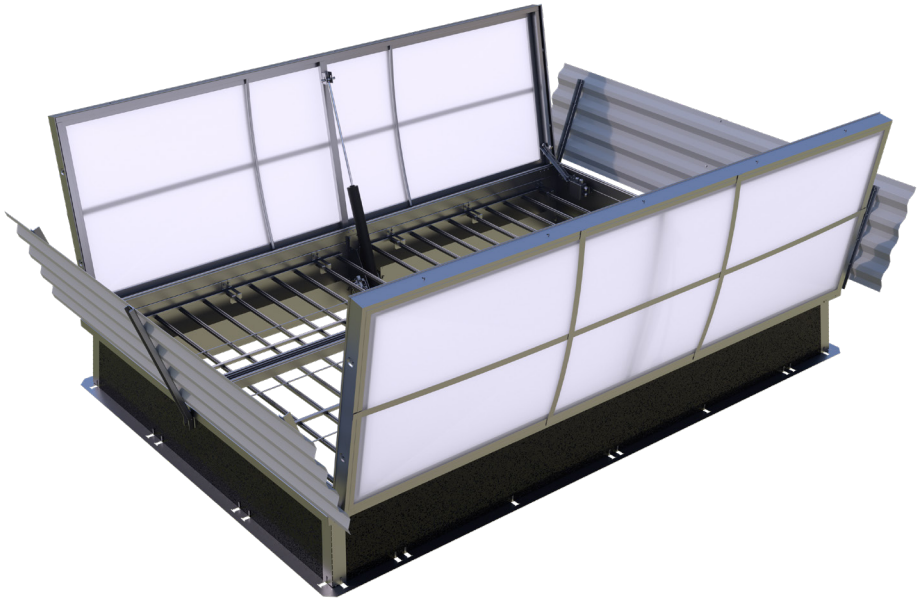
"THERMIK" RANGE:

- Height 414 mm (350 mm upstand + 64 mm upstand mechanism support) with a 30 mm bituminous insulating coating

Control

- Pneumatic opening/closing
- Integrated mechanism

PYROMAX WD® is a DENFC used for waterproofing roofs on all types of buildings (ERP, ERT, industrial buildings). It is recommended for large buildings.



Also available :

ORIGIN'

OPTIONS

Types of filling

- Opal PCA 16 IR
- Grey PCA 16
- Transparent PCA 16
- Transparent PCA 20

Costière

- Upstand height 414 mm* and more
- Interior paintwork (standard RAL 90100 colours)
- Sheet metal laminated at the top for PVC waterproofing
- Galvanised sheet metal at top for PVC waterproofing
- Bare insulation for PVC waterproofing

Other information

- 6 mm round grille or 16 x 16 mm square tube 1200 joules galvanised or lacquered in standard RAL colour
- Burglar-resistant grille (16 x 16 tube with round inner tube), galvanised or lacquered in standard RAL colours

Control

- Pressure switch
- Thermal trip (93°C as standard)

* See diagram p.6

Dimensions

Hopper size (cm)	Upper hopper size (cm)	Overhall heel size (cm)	Overall height (cm)	Light surface (m^2)	Av (m^2)	Aa* (m^2)*	Aa* (m^2)		
							SD	AD	AD+
200 x 300	**195 x 295**	218 x 318	58**	5.75	6.00	2.61	4.11	4.80	4.80

*Side panel: height 414 mm***, opening angle 100°.

** For PCA 16 filling

*** See diagram p.6

Filling performance

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

	Types of filling	Coefficient de transmission thermique Ug ($W/m^2.K$) U_{hor} (1)	TL D65(2)	FS ou g(2)	Fire reaction	R_w (dB)(3)
PCA	Opal multi-wall PCA 16	1.9	45 %	46 %	B-s1-d0	R_w =21 dB
PCA	Transparent PCA 16 with Aérogel Lumira™	1.5	67 %	67 %	B-s1-d0	R_w =21 dB
PCA	Opal multi-wall PCA 20	1.6	54 %	47 %	B-s2-d0	R_w =21 dB
PCA	Transoarent multi-wall PCA 32	1.3	33 %	49 %	B-s2-d0	ND
PCA	PCA 32 with 50% clear Lumira™ Aerogel	0.97	43 %	45 %	ND	ND
Capot	40 mm aluminium cover	0.85	0 %	ND	ND	ND
Acoustik' Light	**Acoustik' Light** PCA 10 transparent & PCP 6 transparent	**2.1**	**ND**	**ND**	**ND**	**R_w =27 dB**

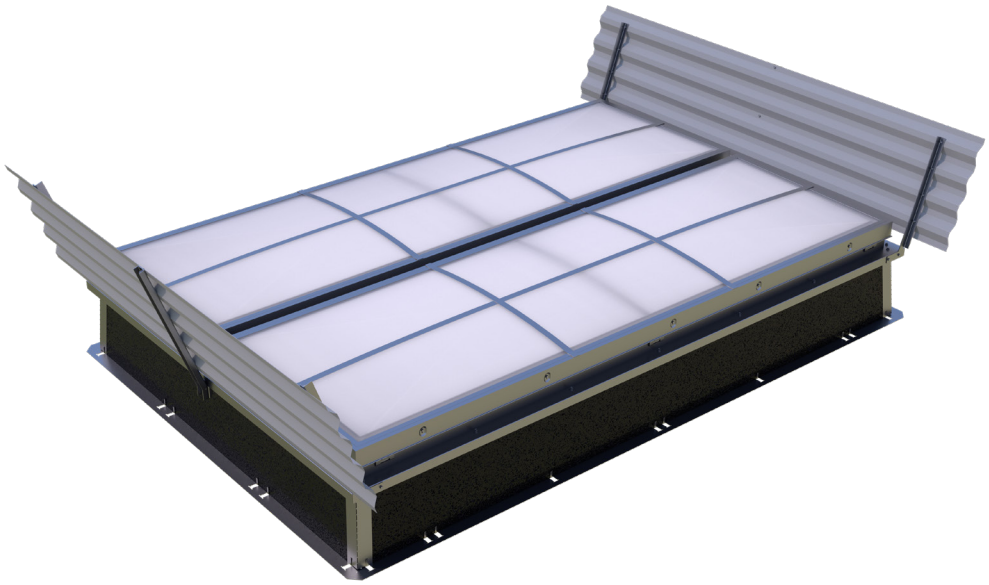
(1) In relation to the horizontal, according to §2.31 of the Th-Bat rules.

(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 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.

Maximum allowable overloads SL (Pa) and operating pressure

Hopper (cm)		Opening pressure (bar) Snow load : SL250			Opening pressure (bar) Snow load : SL600			Closing pressure (bar)
Width	Lenght	PCA 10, PCA 16, PCA20, PCA32	PCA 32+, aluminium cover, acoustik light	jack volume (litre)	PCA 10, PCA 16, PCA20, PCA32	PCA 32+, aluminium cover, Acoustik light	jack volume (litre)	
200	**300**	9	9	2.1	16	17	2.1	6



PERFORMANCE

Exhaust ventilator opening: type B (open + close)

Reliability: Re 1000 + 10000 (with ventilation kit)

Low ambient temperature: T(-15°C) SL250 SL600, (SL800 coming soon)

Resistance to heat: B_{300}

Thermo-fuse set temperature: 93 °C

Resistance to wind load: WL1500

Opening under load: SL600

COMPLIANCE & INSTALLATION

DENFC CE compliant with **standard NF EN 12101-2 (product certification N°0333 CPR 219095).**

Fixing and waterproofing must comply with the specifications defined in the DTU series 40 and 43 in force.

Maximum insulation height: the height of the waterproofing upstand to be respected in accordance with the DTU is 150 mm minimum.

The waterproofing complex (substrate, vapour barrier, insulation and two-ply waterproofing) may not exceed 140 mm for an internal upstand height of 310 mm, or 240 mm for an internal upstand height of 410 mm.

Maximum authorised slope: 25°, i.e. 46% (see installation instructions).

Only the guardrail option guarantees 1200 joules of protection.

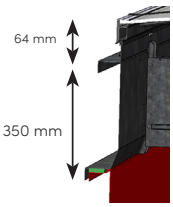
DoP available at www.skydome.eu

Commercial name

PYROMAX WD THERMIK' the optimised solution for the best thermal performance

Commercial name		Filling	Upstand insulation
Pyromax WD	THERMIK'16	PCA 16 mm	Support height 414 mm* Insulation : • Over the height of the upstand: 30 mm • Over the height of the opening frame: 10 mm • On the central gutter: 10 mm
	THERMIK'16+	PCA 16 mm	
	THERMIK'20	PCA 20 mm	
	THERMIK'32	PCA 32 mm	
	THERMIK'32+	PCA 16 mm + PCA 16 mm Lumira	

* Diagram

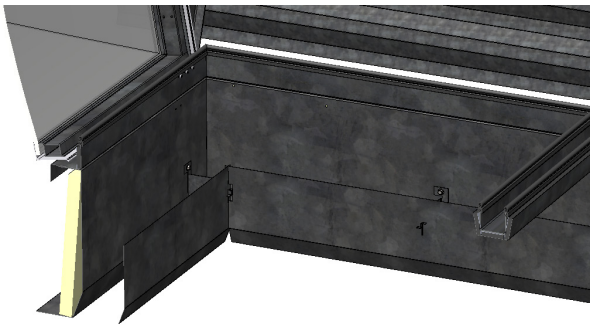


U_{RC} : 2.1 W/m².K*

ENHANCED THERMAL INSULATION:

- WIDE RANGE OF FILLING OPTIONS
- COMPLIANT WITH DTU SPECIFICATIONS

U_{RC} = 2.1 W/m².K*



* For Pyromax WD Thermik' 200x300 PCA 32+

Thermal performance: U_{RC} (W/m².K) and A_{RC} (m²)

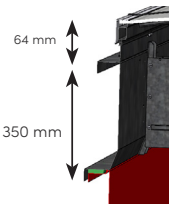
PYROMAX WD ®						
Dimensions (cm)	Upstand height: 414 mm					
	U_{RC}					A_{RC}
	PCA 16	PCA 16+	PCA 20	PCA 32	PCA 32+	
200 x 300	2.6	2.4	2.5	2.2	2.1	10.7

Commercial name

PYROMAX WD THERMIK' CLASSIQUE the right solution for the best compromise between needs and thermal performance

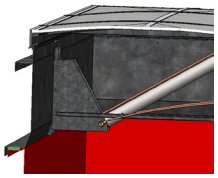
Commercial name		Filling	Upstand insulation
Pyromax WD	THERMIK' Classique 16	PCA 16 mm	Support height 414 mm* Insulation : • Over the height of the upstand: 25 mm • Over the height of the opening frame: 10 mm
	THERMIK' Classique 16+	PCA 16 mm	
	THERMIK' Classique 20	PCA 20 mm	
	THERMIK' Classique 32	PCA 32 mm	
	THERMIK' Classique 32+	PCA 16 mm + PCA 16 mm Lumira	

* Diagram



U_{RC} : 2.3 W/m².K*

ENHANCED THERMAL INSULATION:



- WIDE RANGE OF FILLING OPTIONS
- COMPLIANT WITH DTU SPECIFICATIONS

U_{RC} = 2.3 W/m².K*

* Pour Pyromax WD Thermik' Classique 200x300 PCA 32+

Thermal performance U_{RC} (W/m².K) et A_{RC} (m²)

PYROMAX WD ®						
Dimensions (cm)	Upstand height: 414 mm					
	U_{RC}					A_{RC}
	PCA 16	PCA 16+	PCA 20	PCA 32	PCA 32+	
200 x 300	2.8	2.6	2.7	2.5	2.3	10.7

FOR RENOVATION AND UPGRADING

The PYROMAX WD capping upstand can be adapted to any type of upstand to bring appliances up to standard or change the original function **while preserving the existing upstand.**

In order to guarantee the airflow values (Aa), the foot of the riser should be placed on the existing support. A support wedge (not supplied) can be fitted*.

Filling

THERMIK' RANGE :

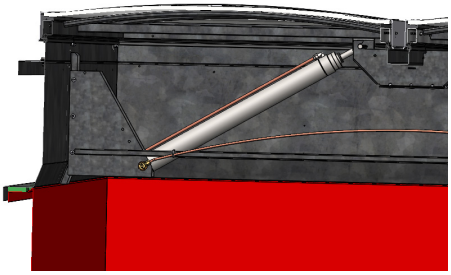
- PCA 16
- PCA 16+
- PCA 20
- PCA 32
- PCA 32+
- 40 mm aluminium cover
- Acoustik' light

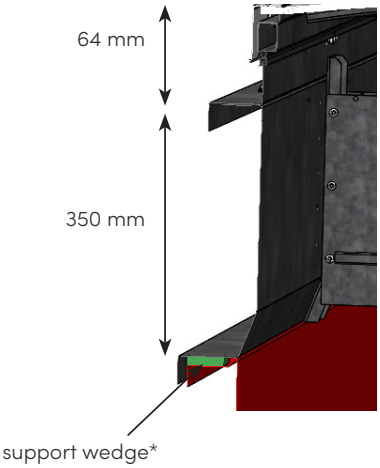
Upstand

- Insulated upstand with galvanised steel sheet 84 mm heel and 40 mm projection
- 12/10 galvanised steel
- Height 414 mm

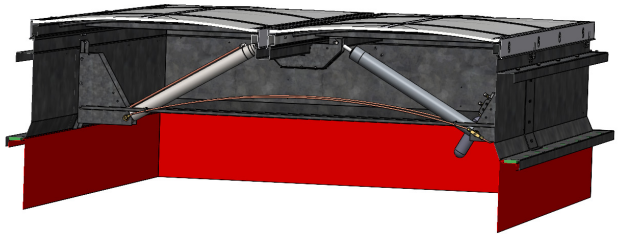
Control

- Pneumatic opening/closing
- integrated mechanism





Technical diagram



Options

List of standard options p.1

Costière

- Upstand insulation including galvanised steel cover sheet
- Heel width on request for adaptation to existing support
- Upstand height on request

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SKYDÔME®

For **WATERPROOFED ROOFS OR EXISTING UPSTANDS**

PYROMAX WD®

CE
EN 12101-2
EN 1873 + A1 : 2016

ORIGIN' **VERSION**

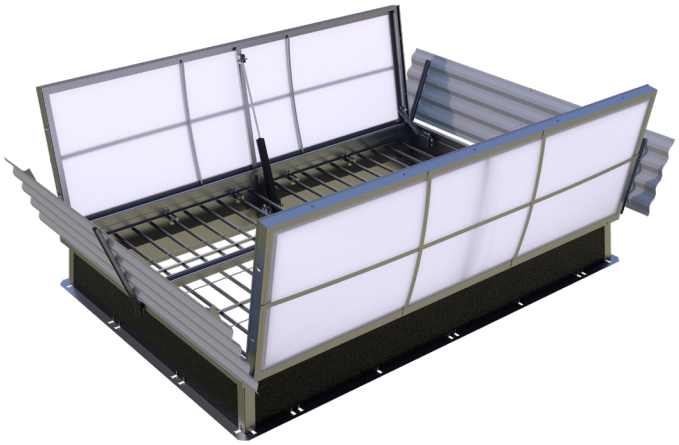
Type of filling
• Opal PCA 10

Upstand
• 1.2 mm galavanised steel

ORIGIN' RANGE :
• Height 414 mm (350 mm upstand + 64 mm upstand mechanism support) with a 15 mm bituminous insulating coating
• Non-insulated opening frame
• Non-insulated gutter

Control
• Pneumatic opening/closing
• Integrated mechanism

PYROMAX WD® is a DENFC used on waterproofed roofs for all types of buildings (ERP, ERT, industrial buildings). It is preferred for large buildings.



Also available :

THERMIK'

OPTIONS

Types of filling
• Opal PCA 10 IR
• Black and white opaque PCA 10
• Transparent PCA 10

Upstand
• 414 mm* upstand height
• Internal lacquering (standard RAL colours)
• Sheet metal laminated at the top for PVC waterproofing
• Bare insulation for PVC waterproofing

Other information
• 6 mm round grille or 16 x 16 mm square tube 1200 joules galvanised or lacquered in standard RAL colour
• Burglar-resistant grille (16 x 16 tube with round inner tube), galvanised or lacquered in standard RAL colours

Control
• Thermal trip (93°C as standard)
• Position switch

* See diagram p.3

Dimensions & aeraulic performance*

Hopper size (cm)	Upper hopper size (cm)	Overhall heel size (cm)	Overall height (cm)	Light surface (m^2)	Av (m^2)	Aa* (m^2)*	Aa* (m^2)		
							SD	AD	AD+
200 x 300	**195 x 295**	218 x 318	52**	5.75	6.00	4.62	2.61	4.11	4.80

*Side panel: height 414 mm***, opening angle 100°.

** For PCA 10 filling

*** See diagram p.3

Filling performace

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

Type of filling		Thermal transmittance factor Ug (W/m^2.K)	TL D65(2)	FS ou g(2)	Fire reaction	R_w (dB)(3)
		U_{hor} (1)				
PCA	Opal multi-wall PCA 10	2.7	61 %	61 %	B-s1-d0	R_w=19 dB
PCA	Transparent PCA 10 with Aérogel Lumira™	ND	ND	ND	ND	ND
Capot	40 mm aluminium cover	0.85	0 %	ND	ND	ND

(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.

Maximum allowable overloads SL (Pa) and operating pressure

Hopper (cm)		Opening pressure (bar) Snow load : SL250			Opening pressure (bar) Snow load : SL600			Closing pressure (bar)
Width	Lenght	PCA 10	aluminium cover	jack volume (litre)	PCA 10	aluminium cover	jack volume (litre)	
200	**300**	9	9	21	16	17	2.1	6

PERFORMANCE

Exhaust ventilator opening: type B (open + close)

Reliability: Re 1000 + 10000 (with ventilation kit)

Low ambient temperature: T(-15°C) SL250 SL600, (SL800 coming soon)

Resistance to heat: B_{300}

Thermo-fuse set temperature: 93 °C

Resistance to wind load: WL1500

Opening under load: SL600

COMPLIANCE & INSTALLATION

DENFC CE compliant with **standard NF EN 12101-2 (product certification N°0333 CPR 219095).**

Fixing and waterproofing must comply with the specifications defined in the DTU series 40 and 43 in force.

Maximum insulation height: the height of the waterproofing upstand to be respected in accordance with the DTU is 150 mm minimum.

The waterproofing complex (substrate, vapour barrier, insulation and two-ply waterproofing) may not exceed 140 mm for an internal upstand height of 310 mm, or 240 mm for an internal upstand height of 410 mm.

Maximum authorised slope: 25°, i.e. 46% (see installation instructions).

Only the guardrail option guarantees 1200 joules of protection.

DoP available at www.skydome.eu

FOR RENOVATION AND COMPLIANCE WORKS

The PYROMAX WD capping upstand can be adapted to any type of upstand to bring appliances up to standard or change the original function **while preserving the existing upstand.**

In order to guarantee the airflow values (Aa), the foot of the riser should be placed on the existing support. A support wedge (not supplied) can be fitted*.

Filling

ORIGIN' RANGE :

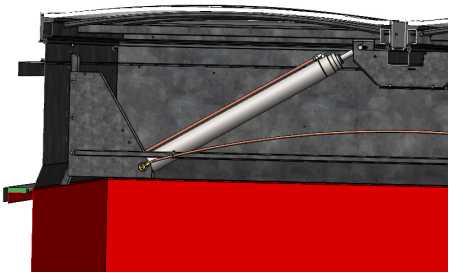
- Opal PCA 10

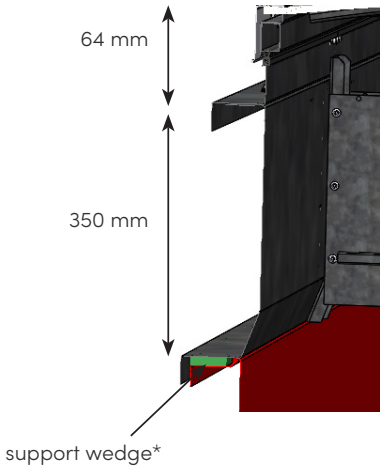
Upstand

- Insulated upstand with galvanised steel sheet 84 mm heel and 40 mm projection
- 12/10 galvanised steel
- Height 414 mm
- Opening frame and non-insulated gutter

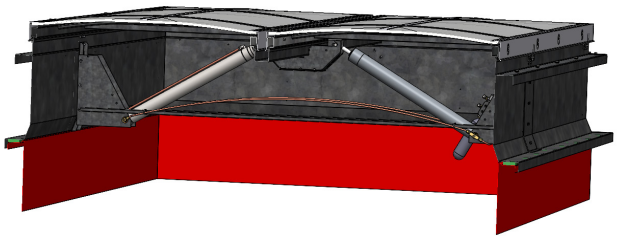
Control

- Pneumatic opening/closing
- integrated mechanism





Installation diagram



Options

Standard options list p.1

Upstand

- Upstand insulation including galvanised steel cover sheet
- Heel width on request for adaptation to existing support
- Upstand height on request

MADE IN FRANCE

SKYDÔME

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