

0333



N° of certificate: 0333 CPD 219 053
Norm of reference: NF EN 12101-2

Year of certificate: 2006

**INSTALLATION AND
MAINTENANCE
NOTICE
OF**

PYROTOP



The following notice is not a contractual document; the manufacturer reserves the right without prior notice to do any modification.

DEPARTEMENT ECLAIREMENT ZENITHAL ET DESENFUMAGE INCENDIE



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MAINTENANCE AND PERIODIC CHECKINGS:

All our products are not guaranteed in case of an exposure likely to change the initial characteristics of one element or one function of the unit.

The working, maintenance and periodic verifications' operations should be done following the current texts' and norms' requirements as well as the following SKYDOME® prescriptions:

Proceed to a minimum of 2 times per year of an opening/closing in security position of the unit.

Verify especially the state of the articulations, hinges, lock as well as the springs' rod. It is important to maintain these elements lubricated (grease, oil), except the springs' rod.

Verify the tightening of screwed elements. (Links ...)

When the rod of the spring is scratched, distorted or if there is a presence of leaks, replace it.

Do not clean the springs' rod with a solvent product. It could damage the joints. Do not paint the spring' rod.

The verifications' operations of the unit are of minimum 1 time per year.

REPLACEMENT:

All the components of the unit are available upon request at SKYDOME®.

The installation of the PYROTOP in ADAPTER PLATE VERSION:

The prescriptions of the spaces described above are identical for the adapter plate version subject to an installation on an adequate existing support, that is to say: in steel, in concrete, in wood, or in all types of material having passed with success the test of thermal distortion described in the PEU (Unified Tests Procedure) smoke evacuation units.

The Av (Geometric Surface) of the support /existing kerb must be higher or equal to the Av of the adapter plate kerb.

The smoke evacuation units have to be fixed and waterproofed according to the defined prescriptions in the applied D.T.U waterproofing... (Unified Technical Document).

Diagrams of fixing principle of the unit according to its version:

Diagram 1: Standard Kerb

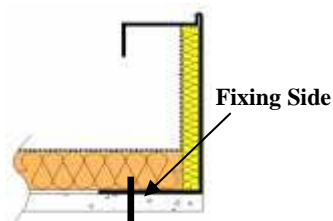
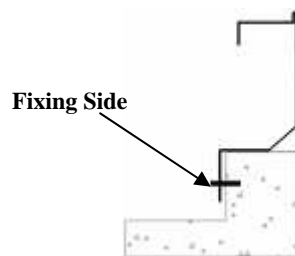


Diagram 2: Adapter Plate Version



Other places of fixing may produce water leaks.

ASSEMBLY AND CONNECTION:

The unit is delivered pre-assembled in the factory.

For the connection of the unit to the control box, please refer to the current texts and norms.

The thermal fuse is an automatic system that will automatically open the smoke evacuation unit in case of a temperature rise on the roof. This release temperature can be calibrated from 63° to 189°.

PUT INTO SERVICE:

Once the unit assembled and the cable connected, take down the security plate which holds the opening panel during the transport.

To put the unit into service, make one or several test(s) to verify the good functioning of the unit.

INTRODUCTION:

The smoke evacuation unit with single opening panel of the range PYROTOP is a unit working on intrinsic energy according to the norm NF EN 12101-2.

The unit has to be installed in accordance with the norms, technical instructions, and all rules or texts applied.

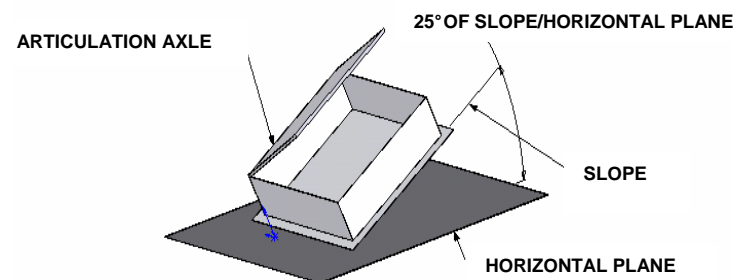
PRECAUTIONS OF THE SUPPORT:

The support getting the unit has to be realized following the normalised tolerances of the building construction.

The installation of the unit has to be done following one of these two rules:

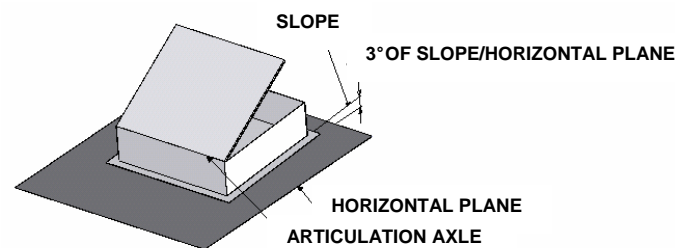
Rule 1:

The maximum slope authorised when the articulation axle is parallel to the roof slope is 25° that is to say 46,65%.






Rule 2:

The maximum slope authorised when the articulation axle is perpendicular to the roof slope is 3° that is to say 5,25%. In this case, the hinges are positioned in the bottom part of the slope.



DESCRIPTION OF THE « CE » LABEL:

- ① Number of certificate and its obtaining date.
- ② Norm of reference in application.
- ③ Commercial name of the unit.
- ④ Opening Surface, (Aa).
- ⑤ Respectively:
 - Type of opening unit.
 - Classification of the wind loading.
 - Classification of the snow load.
 - Classification of the inside temperature class.
 - Classification of reliability class.
 - Classification of heat resistance.
 - Classification of fire reaction of the unit's materials, following the applied European norm.
- ⑥ N° of production order.
- ⑦ Article Code (for the traceability of the unit).
- ⑧ Description of the security options:
Operating Temperature of the thermal fuse option.
Presence or not, of a position contactor.
- ⑨ Production date of the unit.

	
	
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N° certificat	① 2006
NF EN 12101-2:200x	②
Dispositif d'évacuation naturelle de fumées et de chaleur	
PYROTOP	
③ 	
Aa = XX m²	④
type B; VWL 1500; SL 250 T(0); RE 300; B 300; Ax	⑤
OF0511083XX	⑥ Code: 8RXXXXXXXXXX
Options de sécurité: T=xxx; contacteur de position	
Date de fabrication: Date	⑨

THE RANGE:

The characteristics of entries of the unit are available on the CE marked label located on the front inner side of the kerb.

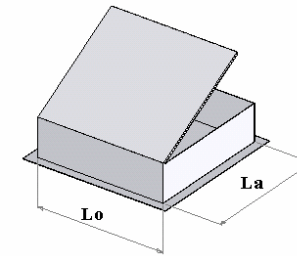
Below the summary table of the maximum tension effort possible on the cable to refit the unit.

DIMENSIONS	OPENING	
	ALL GLAZING	
OPENING* La x Lo	MAXI EFFORT TO REFIT	CABLE MOVEMENT
cm x cm	daN	mm
100 x 100	≤100	2300

*

« La » is the width of the unit which gets the springs.

« Lo » is the length of the unit which includes the hinges of the opening panel.



The complete range has a snow load class of 25Kg/m², whatever the type of glazing.

INSTALLATION OF THE UNIT:

Any operation that could damage the mechanisms and/or the structure of the unit is forbidden. SKYDOME® could not be considered responsible for the incidents resulting from these operations.

The installation of the PYROTOP according to its support:

Trimmer-joist: Thanks to auto drill screws or rivets or other bolts by keeping **a maximum space of 330mm between 2 fixations.**

Ribbed steel sheets: Thanks to auto drill screws or rivets or other bolts by keeping **a maximum space of 330mm between 2 fixations.**

Concrete support: Thanks to adapted fixations by keeping **a maximum space of 200mm between 2 fixations.**

The insulation, eventually present on the unit, has a bitumen surface designed to accept torch-on waterproofing membranes.