



**INSTALLATION AND
MAINTENANCE
NOTICE
FOR UNITS**

NATURAL DAYLIGHTING (Skydome®, Skyclair®),

VENTILATION (Airdome®, VPM², Skydome® AP),

ROOF ACCESS (Passadôme®),

**SMOKE EVACUATION BY INTRINSIC
ENERGY** (Pyrodome® Pulling/Releasing)



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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SUMMARY:

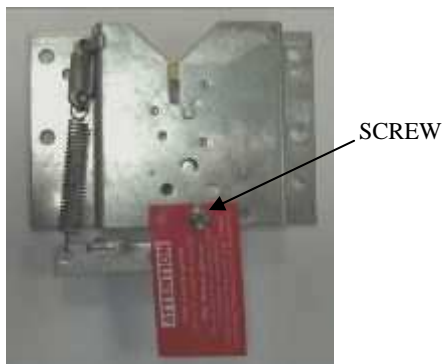
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REPLACEMENT:

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

PUT INTO SERVICE:

For the smoke evacuation unit with intrinsic energy (Pyrôdome® Pulling/Releasing). Once the unit assembled and connected, Unscrew the security screw which holds the opening panel during the transport.



For the Passadôme®, once the unit Assembled, cut the plastic collar which holds the opening panel during the transport.



Make one or several test(s) to verify the good functioning of the unit. In particular, verify the mechanical and pneumatic opening and closing of the unit as well as its locking function.

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 ...)

Verify the efficiency of the locking system.

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 springs' rod.

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

INTRODUCTION:

The natural day lighting unit is composed of an opaque and translucent fixed glazing; it is not intended for smoke evacuation.

The ventilation unit could be fixed in case of permanent ventilation by grill or fixed blades; it could be opening thanks to an electric or pneumatic jack but it is not intended for smoke evacuation.

The roof access unit is a single opening panel with a mechanical opening but it is not intended for smoke evacuation.

The smoke evacuation unit with intrinsic energy (Pulling/Releasing) is a single opening panel; it could be used as a smoke evacuation unit.

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

PRECAUTIONS OF THE SUPPORT:

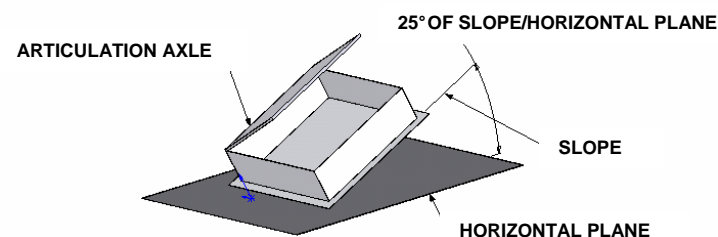
The support getting the unit has to be realized following the normalised tolerances of the building construction.

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

Rule 1: Applied to the smoke evacuation unit with intrinsic energy (Pulling/Releasing)

The maximum slope authorised when the articulation axle is parallel to the roof slope and the Geometric Surface (Av) is <math>< 2m^2</math> is 25° that is to say 46,65%.

The maximum slope authorised when the articulation axle is parallel to the roof slope and the Geometric Surface (Av) is > 2m² is 20° that is to say 36,45%.



Rule 2: Applied to the other types of units

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

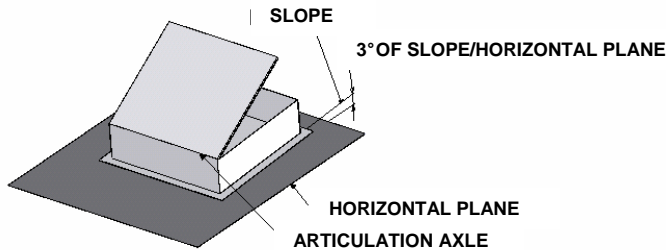
Rule 3: Applied to the other types of units

The maximum slope authorised when the articulation axle is perpendicular to the roof slope is 3° that is to say 5,25%

Rule 4: Applied to the smoke evacuation unit with intrinsic energy (Pulling/Releasing)

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.



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 unit 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.

The installation of the unit 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.

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

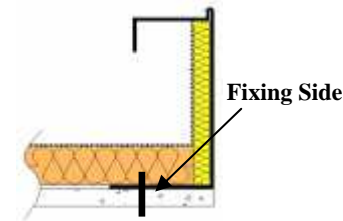
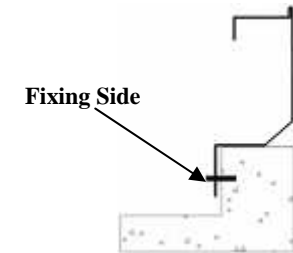


Diagram 2: Adapter Plate Version



Other places of fixing may produce water leaks.

ASSEMBLY AND CONNECTION:

For the smoke evacuation unit with intrinsic energy (Pyrôdome® Pulling/Releasing), it must be connected to the control box with a cable of diameter 2,4mm.

