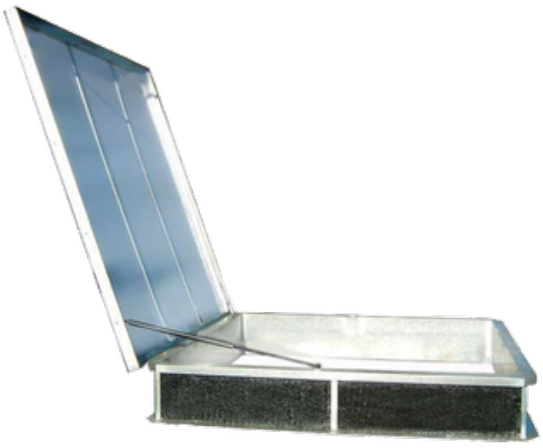
DANOEXIT PLUS

Skylight for overhead natural lighting



High-performance pre-cast skylight for zenithal lighting and access to the roof. It is opened by means of telescopic dampers.

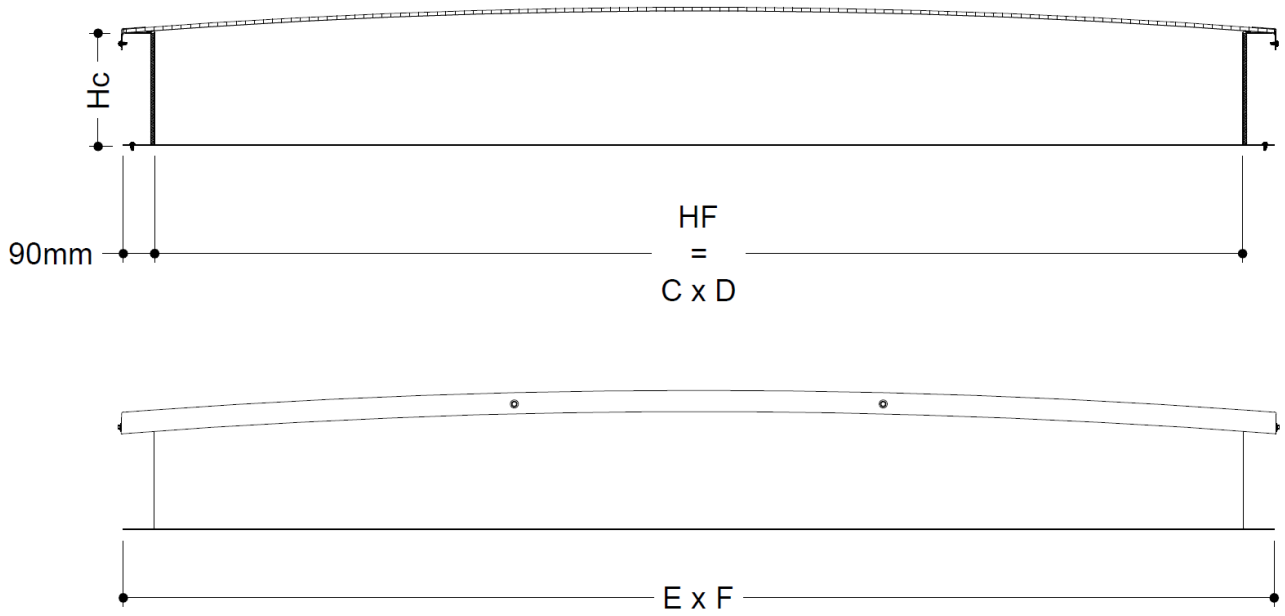
Composed of:

- Galvanised sheet metal plinth 1.5mm thick and 310mm high.
- Thermal insulation composed of expanded perlite with a finish to be chosen depending on the waterproofing of the roof to maximise adherence and ensure watertightness and thermal comfort.
- 10 mm thick curved Cellular Polycarbonate (PC) dome, conducting water to the outside and fixed by means of an aluminium frame, thus avoiding perforations in elements exposed to the elements.

Can be supplied with pre-painted sheet metal.

Presentation

- Length (cm): 100
- Width (cm): 100
- Weight (kg): 18
- Product code: 554259



Technical Data

Concept	Value	Standard

Technical Data - Dome

Concept	Value	Standard
Water absorption (24h 23º) (%)	0.15	-
Elongation at break (%)	6	-
Refractive index (nD20)	1.586	-
Elasticity module (N/mm²) DOME	3000	ISO 527
Density (g/cm3) DOME	1.2	ISO 1183
Vicat softening point (ºC)	149	ISO 306
Flexural strength (N/mm²) DOME	2300	ISO 178
Tensile strength (N/mm²) DOME	70	ISO 527
Thermal transmission (U) (W/m2K)	2.2	-
Light transmission - Transparent (%)	40	-

Technical Data - Plinth

Concept	Value	Standard
Thermal conductivity (W/mK) PLINTH	47	-

Standards and Certification

- In accordance with the UNE-EN 1873 standard for prefabricated accessories for roofs. Individual skylights in plastic materials. Product specifications and test methods.

Advantages & Benefits

- Danosa skylights provide perfect diffusion of sunlight, significantly reducing electrical energy consumption and guaranteeing watertight protection and the absence of condensation.
- Its opening system has dampers that facilitate manual opening and access to the roof.

Instruction for Use

ASSEMBLY
Positioning of the outlet

- The orientation of the opening shall be in favour of the prevailing winds.
- The maximum slope of the roof shall be 25º when the axis of rotation is parallel to the slope and the surface area is less than 2 m2.
- The maximum slope of the roof shall be 20º when the axis of rotation is parallel to the slope and the surface area is greater than 2 m2.
- The maximum slope of the roof shall be ± 3º when the axis of rotation is perpendicular to the slope.

Fixing depending on the type of roof:

- To sill roof: By means of self-tapping screws or rivets every 500 mm. approx.
- To a ribbed metal roof: by means of self-tapping screws or rivets approx. every 330 mm.
- To ceramic tile roof: By means of specific nails every 200 mm approx.
- The insulation includes a bituminous sheet to attach the asphalt waterproofing membrane. There is the option of leaving the insulation without the finish to undertake another type of solution at a later date.

Skirting with roof waterproofing:
Once the DANOEXIT PLUS 1000×1000 metal skirting has been fixed on the resistant roof support, the waterproofing must be reattached by means of a perimeter strip, duly sealed at the crown (See attached drawing).**MAINTENANCE**

- The following should be checked annually: absence of rust, condition of screws, condition of polycarbonate (plus cleaning of cells), greasing of bolts and pneumatic cylinders and springs.
- For the revision of the above elements it is necessary to open the system.
- The cleaning of the domes shall be carried out using soapy water, excluding any corrosive product.
- In order to carry out an adequate follow-up, guaranteeing the effectiveness of the fire evacuation system, Danosa recommends consulting our maintenance manual, available on the website.
- -If any further clarification is required, please consult our Technical Department.

Indications and Important Recommendations

- This product is part of a construction system, so the Danosa Catalogue of Construction Solutions, Specifications and other Danosa documentation must be taken into account.
- Work must not be carried out when weather conditions may be harmful, in particular when it is snowing or there is snow or ice on the roof, when it is raining or the roof is wet, or when there is a strong wind blowing.
- All mandatory regulations in this regard will be taken into account.

Handling, storage and preservation

- On receipt of the material, check the units and measurements, ensuring that they coincide with the requirements on site.
- When signing the carrier's documentation, include the note: "Accepted except examination" or similar, if the material cannot be examined at the time of receipt. If any breakage or anomaly is observed, indicate it directly on the carrier delivery note.
- Store away from machinery that could come into contact with it.
- Report any anomaly in the material within 24 hours of receipt. If not, DANOSA is not responsible for claims of breakage in transport.
- Maintenance: The domes will be cleaned using soapy water, excluding any corrosive product.
- Do not rest any object on the domes: Deformations can occur in the methacrylate.
- Do not place the skylights directly on the roof. In the case of deck roofs, it can cause damage to the sheet and to the domes themselves, if deposited directly on the sheet, due to the temperatures reached by the roof and the lack of ventilation.
- Check that the packaging and equipment are in good condition.
- Once on site, keep the skylights in their packaging until they are installed on the roof.

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product.Orders are accepted in accordance with the terms of our current General Sales Conditions.DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation.Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**