

**2. Range designation :** ROOFDOME

**4. Name and business name of manufacturer :**

SKYDOME SAS - Entre deux villes - 02270 Sons et Ronchères - France - Head office & production

**3. Product description**

- Fixed zenithal illumination apparatus
- Polyester Shell ht310 mm mini
- Dimensional range (high hopper)
  - Square : length 1m to 1.6m ; width 1m to 1.6m
  - Rectangular : length 1m to 2.5m; width 1m to 1.4m

**3.1 Possible option :**

- Fixed grid 1200 joules, wire of Ø6 or tube 16x16

**3.2 Intended use :** ROOF on dry bin or sandwich panels

**3.3 Conditions of use and implementation related to certified performance**

- Maximum permissible inclination of the appliance in the roof :
  - $A_v < 2m^2$  : 25° or 46, 65%
  - $A_v \geq 2m^2$  : 20° or 36,45%

**6. Systems for evaluating and verifying the constancy of the performance of the construction product**

System 3 according to Annex ZA of European standard EN 1873

List of laboratories :

CSTC : NB 1136

CSTB : NB 0679


LNE : NB 0071

KPF : NB 1703

**9. Declared performance :**

Criteria	Performance	Normative references
Resistance of ascending loads	UL1500 Cellular polycarbonate UL1500 double dome $\leq 2,8m^2$ above UL 1000	EN 1873, § 5.4.1
Resistance to downward loads	DL3000 Cellular polycarbonate DL1500 Dome	EN 1873, § 5.4.2
Reaction to fire :	PCA : See table of fillings Steel : M0 Alu : M0	EN 1873, § 5.5
Outdoor fire performance	F roof	EN 1873, § 5.7
Fire resistance: $\square$	PND	EN 1873 § 5.6
Water sealing $\square$	Success	EN 1873, § 5.3
Impact resistance: Small hard body: 1200J (Grid) $\square$	Success 1200j	EN 1873, § 5.4.3.1 EN 1873, § 5.4.3.2
Thermal conductance: Urc $\square$	Next filling, contact us	EN 1873, § 5.9.2.1
Thermal conductance: plate	Next filling, contact us	EN 1873, § 5.9.2.2

Direct airborne noise insulation (plate)	Next filling, contact us	EN 1873, §5.10
Light transmission factor plate	Next filling, contact us	EN 1873, §5.1
Durability	PCA 10 : $\Delta A$ , Cu 0, Ku 0 - / - PCA 16 : $\Delta D$ , Cu 0, Ku 0	EN 1873, § 5.2

**10.** The performance of the product identified in points 1 and 2 shall be consistent with the declared performance set out in point 9. This declaration of performance is drawn up under the sole responsibility of the manufacturer identified in point 4. 

Signed for the manufacturer and on his behalf by Thierry Badet, Managing Director, in Sons et Ronchères.  
Updated on 26/07/2022