

2. Description of the range : ROOFAERATION

4. Name and business name of manufacturer :

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

3. Product description

- Manual or electric ventilation apparatus
- Polyester Shell ht 310mm mini
- Dimensional range (high hopper)
 - Square: length 1m to 1.6m; width 1m to 1.6m
 - Rectangular: length 1m to 2m; 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 :
 - Hinges parallel to the ridge :
 - $Av < 2m^2$: 25° or 46, 65%
 - $Av \geq 2m^2$: 20° or 36,45%
 - Hinges perpendicular to the ridge
 - 3° or 5,24%

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 to 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	PND	EN 1873 § 5.6
Water sealing	Success	EN 1873, § 5.3
Impact resistance: Smallhard body 1200J (Grid)	Success 1200j	EN 1873, § 5.4.3.1 EN 1873, § 5.4.3.2
Thermal conductance: Urc	Next filling, contact us	EN 1873, § 5.9.2.1

Thermal conductance: plate ²	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 : ΔA , Cu 0, Ku 0 - / - PCA 16 : ΔD , Cu 0, Ku 0	EN 1873, § 5.2

Control :

Manual: opening with crankshaft on 175mm racing screws

Electric: opening by cylinder 230V stroke 300mm

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