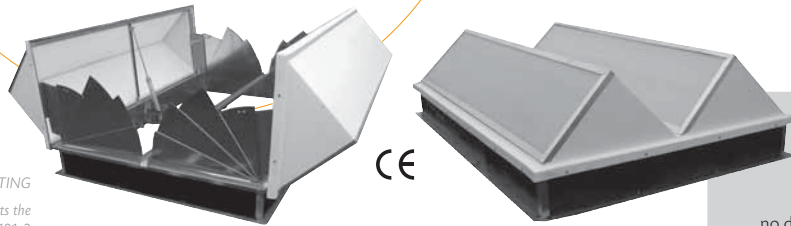


Waterproofed  
roof

# Hexasteel Shed

Smoke vents range



NSHEV + LIGHTING  
CE - This smoke vent meets the European regulation EN 12101-2 in force.

Hexasteel Shed is designed to be installed on a waterproofed roof. It exists for zenithal lighting in the version Hexasteel Shed Fix (high lighting efficiency, no direct light or reflexion, limited calories in the building), or for smoke ventilation in the version Hexasteel Shed DoP.

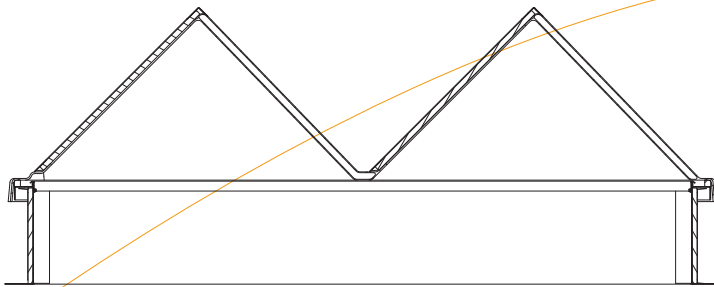
Dimensions

Performances

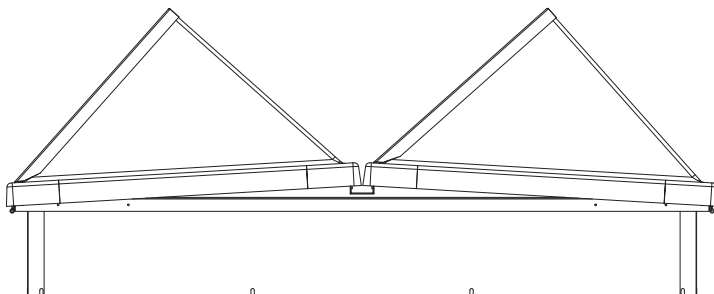
Reference	Length in cm	Width in cm	Geometrical Area (Av) in m <sup>2</sup>	Lighting Surface (SLu) in m <sup>2</sup>	Free Aerodynamical Area (Aa) in m <sup>2</sup>			
					E (Eco)	S (Standard)	+ (Plus)	
							Fix	Foldable
200 x 300	300	200	6,00	3,46	2,75	3,83	4,19	4,25

# Hexasteel Shed

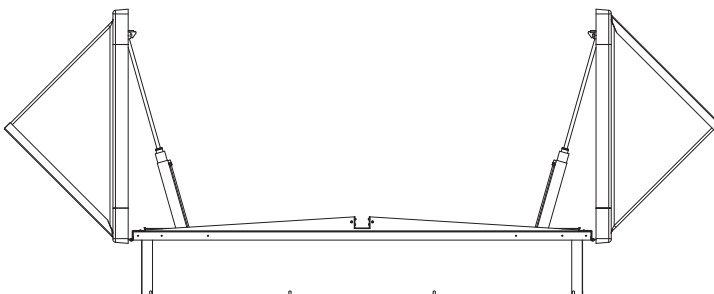
Smoke vents range



Hexasteel Shed Fix



Hexasteel Shed DoP Eco in waiting position



Hexasteel Shed DoP Eco in safety position – Opening 90°

#### COMPONENTS:

- A metallic upstand 30, 40 or 50 cm high, which can be equipped with an insulation board 15 mm ( $U_f = 2.5 \text{ W/m}^2 \text{ K}$ ) or 30 mm ( $U_f = 1.5 \text{ W/m}^2 \text{ K}$ ). The surface of the insulation can be bitumen or PVC coated for a direct weld with the waterproofing membrane.
- An upper part consisting of:
  - a fiber reinforced polyester structure,
  - a multi-wall 16mm polycarbonate, 3 walls transparent,
  - an aluminium frame which maintains and protects the periphery of the structure,
  - a thermofuse pre-installed in the factory (in option).

#### 2 VERSIONS:

- Hexasteel Shed Fix:  
Hexashed Fix is destined to zenithal lighting.
- Hexasteel Shed DoP:  
2 opening frames articulated around 2 opening/closing CO<sub>2</sub> pistons allow the Hexasteel Shed DOP an opening of 90°C.

#### ADVANTAGES:

- Hexashed is a skylight mounted on a metallic upstand with an optimized daylight distribution.
- In opposition to the standard skylights who have the daylight distribution surface parallel to the roof, Hexashed has a daylight distribution surface inclined with 45°.
- The daylight surface must be oriented North in order to ensure a good efficacy.
- A very efficient daylight distribution inside the building.
- No direct light or reflexion.
- No additional heating or calories inside the building, while keeping an optimum daylight function.
- The smoke ventilation version exists in the Eco, Standard and + aerodynamic finishes, as well as in the Eventail version
- Limitates the exposed wind surfaces to avoid any damage on the unit or the roof.

Working	Type B opening + closing
Cycles	Re 10,000 (daily ventilation) + Re 1,000 (smoke ventilation)
Snow load	SL 250 or SL 550 (depending on CO <sub>2</sub> pressure)
Low temperature	T (-15°)
Wind load	WL 1 500 Pa
Resistance to heat	B 300 °C

The values in dark do indicate the performances above the minimum expected.

For additional details, see the rubric of the options.