**RENSON LINIUS® L.060HF**

**SPECIFICATION SHEET**

LINIUS® **L.060HF** is a ventilation system composed of continuous louvres with the following essential characteristics:

* **aesthetically appealing**
	+ visual protection
		- horizontally visually closed by applying a blade pitch which does not exceed the blade height
		- blade pitch: 60 mm
		- blade height: 60 mm
	+ invisible assembly with aluminium blade clips
* **airflow**
	+ physical free area: 76%
	+ visual free area: 90%
	+ aerodynamic properties (without mesh)
		- class 1 according to EN 13030:2001
		- resistance factor entry K = 1/ce² = 5,03  ; Ce = 0,446
		- resistance factor discharge K = 1/cd² = 4,96  ; Cd = 0,449
	+ **DOCUMENTS TO BE SUBMITTED**: independent test report in accordance with EN 13030:2001 to determine the aerodynamic properties (BSRIA – 54763/3)
* **Weatherability**
	+ Z-shaped blades with water barrier
* **stability**
	+ impact of wind forces :
		- Cfx : -1,18 (drag - horizontal)
		- Cfy : 1,50 (lift - vertical)
		- **DOCUMENTS TO BE SUBMITTED**: independent report of wind tunnel measurenments of the aerodynamic forces on louvres. (VUB - 2018)
	+ strength of blade connection:
		- **DOCUMENTS TO BE SUBMITTED**: independent test report to determine the strength of the blade connection (TÜV)
	+ max. unsupported blade span at a peak velocity pressure qp(z) of 800 Pa: 644 mm
	+ supporting structure
		- type of mullion and number of mullions are to be provided according to the designed span and the local wind load
		- preferably in aluminium, as part of the continuous louvre system
* **materials:**
	+ extruded aluminium profiles AlMgSi0,5(F25) - T66 - EN AW-6063
	+ surface treatment:
		- anodised in natural colour EV6/EV1 (20 micron): pretreated and anodised **OR**
		- polyester powder coating in RAL colour according to the Qualicoat standard
* **options**
	+ wire mesh 2.3 x 2.3 ; 6 x 6 of 20 x 20 mm, fitted to the rear of the supporting structure
	+ threshold profile LZ.4140
	+ pre-assembled pivoting ventilation doors with linear blades (see separate description)