**SURFACE MOUNTED LOUVRE TYPE RENSON 431**

**SPECIFICATION SHEET**

Louvre type Renson 431 is a surface mounted ventilation louvre and has the following properties :

* **aesthetics**
	+ visual screening
		- horizontally visually closed, by applying a blade pitch which does not exceed the blade height
		- blade pitch = 33.33 mm
		- blade height = 37 mm
	+ invisibly assembled with aluminium blade supports
	+ mitred, pressed corners
* **airflow**
	+ physical free area: 50%
	+ visual free area: 60%
	+ aerodynamic properties according to EN 13030:2001 (with mesh 2.3 x 2.3 mm)
		- resistance factor entry K = 1/ce² = 20,47 ; Ce = 0,221
		- class 3
	+ documents to be submitted : independent test report in accordance with EN 13030:2001 to determine the aerodynamic properties (BSRIA, 101477/1)
* **Weatherability** (EN 13030:2001)
	+ with mesh 2.3 x 2.3 mm
		- class A at 0.5 m/s air entry
		- class B at 1.0 m/s air entry
	+ documents to be submitted : independent test report in accordance with EN 13030:2001 to determine the aerodynamic properties (BSRIA, 101477/1)
* **stability**

For louvres larger than 3 m², a reinforcing mullion to be provided.

* **material**
	+ extruded aluminium profiles (AlMgSi0.5, EN AW 6063 T66)
	+ made with mesh composed of stainless steel 18/8: mesh size 2.3 x 2.3 mm
	+ 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
* **louvre depth** : 29mm
* **options**
	+ Alternative mesh types: mesh size 6mm x 6mm or 10mm x 10mm.