**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.