**BUILT-IN WALL LOUVRE TYPE RENSON 457**

**SPECIFICATION SHEET**

Louvre type Renson 457 is a built-in 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 = 75 mm
    - blade height = 76 mm
  + invisibly assembled with aluminium blade supports
  + Invisible mounting of the louvre with wall anchors no. 429.
  + mitred, pressed corners
  + flange = 25mm
* **airflow**
  + physical free area: 52%
  + visual free area: 75%
  + aerodynamic properties (with mesh 6 x 6 mm)
    - class 3 according to EN 13030:2001
    - resistance factor entry K = 1/ce² = 13,13 ; Ce = 0,276
    - resistance factor discharge K = 1/cd² = 14,24 ; Cd = 0,265
  + documents to be submitted : Official test report (BSRIA, 61220/1 & 2) in accordance with EN 13030:2001 to determine the aerodynamic properties
* **weatherability** (according to EN 13030:2001)
  + class B at 0,5 m/s (with mesh 2,3mm x 2,3mm and water channel)
  + class C at 1,5 m/s (with mesh 6 x 6 mm)
  + documents to be submitted : Official test report (BSRIA, 61220/1 & 2) in accordance with EN 13030:2001 to determine weatherability
* **stability**

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

* **material**
  + extruded aluminium profiles (aluminium AlMgSi0.5, EN AW 6063 T66)
  + made with mesh composed of stainless steel 18/8: mesh size 6 x 6 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
* **fitting depth** : 60mm
* **options** 
  + Alternative mesh types: mesh size 2,3mm x 2,3mm or 10mm x 10mm.
  + Water channel and mesh 2,3 x 2,3 mm for increased weatherability: class B at 0,5 m/s (BSRIA, 61220/2)
  + Drainage profile to prevent dirt deposits on the facade
  + Removable mesh: allows easy cleaning and comes with an integrated drainage profile
  + Filter: class G4
  + Without flange