**GLAZED-IN LOUVRE TYPE RENSON 414**

**SPECIFICATION SHEET**

Louvre type Renson 414 is a glazed-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 = 33.33 mm
    - blade height = 37.5 mm
  + invisibly assembled with aluminium blade supports
  + mitred, pressed corners
* **airflow**
  + physical free area: 45%
  + visual free area: 59%
  + aerodynamic properties according to EN 13030:2001 (with mesh 2.3 x 2.3 mm)
    - resistance factor entry K = 1/ce² = 26.30 / Ce = 0.195
  + documents to be submitted : independent test report in accordance with EN 13030:2001 to determine the aerodynamic properties (BSRIA, 59126/5)
* **Weatherability** (EN 13030:2001)
  + with mesh 2.3 x 2.3 mm and water channel
    - 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, 59126/5)
* **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** : 34mm

* **options** 
  + Alternative mesh types: mesh size 6mm x 6mm or 10mm x 10mm.
  + Water channel for increased weatherability: class A at 0,5 m/s (BSRIA, 59126/5)
  + Drainage profile to prevent dirt deposits on the facade
  + Removable mesh: allows easy cleaning and comes with an integrated drainage profile
  + Filter: class G4