**BUILT-IN WALL LOUVRE TYPE RENSON 421RC3**

**SPECIFICATION SHEET**

Louvre type Renson 421RC3 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 = 50 mm
    - blade height = 56 mm
  + invisibly assembled with aluminium blade supports
  + invisible mounting of the louvre with stainless steel wall anchors
  + mitred, pressed corners
  + flange = 38mm
* **burglar resistance** (according to EN1627 up to and including EN1630 (2011))
  + Classification: RC3 (for louvre surfaces up to 4.8 m²)
  + documents to be submitted : independent test report (WTCB-BBRI)
* **airflow**
  + physical free area: 43%
  + visual free area: 70%
  + aerodynamic properties according to EN 13030:2001 (with mesh 2.3 x 2.3 mm)
    - resistance factor entry K = 1/ce² = 13.82 / Ce = 0.269
    - resistance factor discharge K = 1/cd² = 12.85 / Cd = 0.279
  + documents to be submitted : independent test report in accordance with EN 13030:2001 to determine the aerodynamic properties (BSRIA, 54763/2)
* **Weatherability**
  + Overlapping Z-shaped blades with water barrier
* **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
* **fitting depth** : 46 mm
* **options** 
  + Alternative mesh types: mesh size 6mm x 6mm or 10mm x 10mm.
  + Water channel for increased weatherability
  + Drainage profile to prevent dirt deposits on the facade
  + Removable mesh: allows easy cleaning and comes with an integrated drainage profile
  + Filter: class G4