**SURFACE MOUNTED LOUVRE TYPE RENSON 431RC2**

**SPECIFICATION SHEET**

Louvre type Renson 431RC2 is a surface mounted ventilation louvre and has the following properties :

* **burglar resistance** (according to EN1627 (May 2011) and EN1628:2011+A1 up to and including EN1630:2011+A1 (2011) )
  + Classification: RC2
  + documents to be submitted : independent test report (WTCB-BBRI)
* **fall-through safety** 
  + according to EN13049(2003)
    - class 5
    - documents to be submitted : independent test report (WTCB-BBRI / Wintech by UL)
  + according to BS 6180:2011
    - passed for UDLL 0.74 kN/m, point load 0.5 kN and UDL 1.0 kN/m²
    - documents to be submitted : independent test report (WTCB-BBRI / Wintech by UL)
* **airflow**
  + physical free area: 41%
  + 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 = 23.56 / Ce = 0.206
    - resistance factor discharge K = 1/cd² = 25.51 / Cd = 0.198
  + documents to be submitted : independent test report in accordance with EN 13030:2001 to determine the aerodynamic properties (BSRIA, 54763/7)
* **weatherability**
  + Overlapping Z-shaped blades
* **aesthetics**
  + visual screening
    - horizontally visually closed
    - blade pitch = 33.33 mm
  + mitred, pressed corners
* **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** : 31mm
* **installation**
  + according to the instructions of the producer
* **options** 
  + Alternative mesh types: mesh size 6mm x 6mm or 10mm x 10mm.