**BUILT-IN WALL LOUVRE TYPE RENSON 445/86**

**SPECIFICATION SHEET**

Louvre type Renson 445/86 is a built-in ventilation louvre and has the following properties :

* **Acoustic Performance**

According to :

* + EN ISO 140-1:1997 + A1:2004
  + EN 20140-3:1995 + A1:2004
  + EN ISO 717-1:1996 + A1:2006

Tested with dimensions width x height = 1.23m x 1.48m

* + Sound reduction index Rw (C;Ctr) = 6 (-1;-2)
  + Sound reduction related to frequency :

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| F (Hz) | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 |
| R in dB | 6,9 | 5,8 | 1,5 | 1,1 | 1,5 | 1,3 | 1,1 | 1,6 | 2,4 | 3,9 | 4,5 | 5,6 | 7,4 | 9,9 | 11,0 | 10.6 |

* + To be submitted: independent test report (IFT-Rosenheim nr.164 35928/1e)
* **airflow**
  + physical free area: 34%
  + visual free area: 77%
  + aerodynamic properties according to EN 13030:2001

tested with dimensions width x height = 1m x 1m.

* + - resistance factor entry K = 1/ce² = 10.75 ; ce = 0.305
    - resistance factor discharge K = 1/cd² = 9.95 ; cd = 0.317
  + To be submitted : independent test report (BSRIA, 101232/1)
* **Weatherability** (EN 13030:2001)
  + without mesh nor water channel :
    - class C at 0.0 m/s air entry or anytime air discharge
  + documents to be submitted : independent test report (BSRIA, 101232/1)
* **aesthetics**
  + visual screening
    - horizontally visually closed, by applying a blade pitch which does not exceed the blade height
    - blade pitch = 60mm
    - blade height = 69mm
  + invisible connections
  + mitred, pressed corners
* **material**
  + extruded aluminium profiles (AlMgSi0.5, EN AW 6063 T66)
  + made with mesh composed of stainless steel 18/8: mesh size 6mm x 6mm
  + surface treatment:
    - anodised in natural colour EV6/EV1 (20 micron)

**OR**

* + - polyester powder coated
* **fitting depth** : 87mm
* **installation** : according to the instructions of the producer
* **options** 
  + Alternative mesh types: mesh size 2,3mm x 2,3mm or 10mm x 10mm.
  + Water channel