### 00.00.00 Self-regulating sound absorbing and fire-resistant window ventilator VH mm DUCO Ventilation & Sun Control - FireMax EI 30 SR

##### Description:

FireMax EI 30 SR, thermally insulated aluminium, fire-resistant and sound absorbing window ventilator.

Suitable for mounting on glass.

Inner cover: removable, washable and punched.

Achieved fire technical values:

* Thermal insulation: EI 1 30
* Flame density: E30
* Heat radiation: EW30

The self-regulating flap ensures energy gain and a constant flow rate.

Operation: is infinitely adjustable.

Open|closed position is visible thanks to a green/red indication.

Damping material: for light noise situations.

##### Material:

Aluminium: EN AW - 6063 T66, 304 stainless steel

Plastic parts: ABS and PVC (impact-resistant, colourfast and weatherproof)

Fire resistant strip

##### Surface treatment:

Powder coating (enamelled polyester powder coating): according to Qualicoat Seaside type A, layer thickness 60-80 µm

##### Available colours:

* Standard RAL colours 70% gloss (except RAL 9010: 90% gloss); matt 30% gloss; fine-textured
* DAR
* Bi-colour
* Possible end-piece colours: white/black

Technical specifications

Ventilation values FireMax EI 30 SR

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Air slot | Airflow (Q) in l/s/m at... | | Airflow (Q) in m3/h/m at... | | Equivalent area  at 1 Pa  in mm²/m | Geometrical Free Area  in mm²/m |
| 2 Pa | 10 Pa | 2 Pa | 10 Pa |
| 15 mm | 18,2 | 16,8 | 65,6 | 60,3 | 20232,8 | 15000 |
| 20 mm | 24,6 | 20,7 | 88,4 | 74,6 | 26849,8 | 20000 |
| 25 mm | 30,4 | 27,6 | 109,3 | 99,3 | 30667,3 | 25000 |

Noise reduction FireMax EI 30 SR:

|  |  |  |
| --- | --- | --- |
| Type | Sound absorption  Dne,W (C;Ctr), in dB | |
| OPEN position | CLOSED position |
|  |  |
| 15 mm | 35 (-1;-2) | 51 (-1;-4) |
| 20 mm | 34 (0;-2) | 49 (0;-3) |
| 25 mm | 27 (0;-1) | 42 (0;-1) |

Water repellency (when closed): 1050 Pa

Wind resistance (in closed position): 600 Pa

Subtraction of glass height: 92 mm

Glazing channel: 42 mm

Rebate: 27 mm

Vent height 107 mm

Operation: …

Stepless, with handle 15 mm

Stepless, with cord

Stepless, with rod

Vent length … mm

Maximum 1,114 mm under warranty (within fire resistance certificate):

Mounting|Placement: According to manufacturer's mounting instructions

Sealing with Firestop 700

Fire resistant back padding Nullifire FJ203

In combination with VetroTech Contraflam IDU

In combination with Reynaers Masterline

##### Application:

Developed for mounting on glass in combination with the glass type mentioned above and an aluminium window or door.  
The following doors and windows were tested for the fire resistance certificate:

|  |  |  |
| --- | --- | --- |
|  | Max. glass width | Max. glass height |
| Door | 885,5 mm | 2.137,5 mm |
| Window 1 | 1.114,5 mm | 2.292 mm |
| Window 2 | 737 mm | 2.266 mm |
| Window 3 | 866,5 mm | 1.149,5 mm |

##### Nature of the agreement:

Presumed quantity (PQ)

##### Measurement method:

Unit of measurement: mm.

Measurement code: