# Wall louvre – DUCO Ventilation & Sun Control DucoGrille Solid++ M 30Z

## Description

DucoGrille Solid++ M 30Z is a burglar resistant surface mounted wall louvre made of aluminium extrusion profiles with a reinforced frame profile. The louvre blades offer high ventilation capacity with relatively small louvre blades. The ‘stackable’ louvre blades form a single whole, making them extra strong. The grille achieves burglar resistance class 2 according to NEN 5096 and ENV 1627 standards.

## Version

* Shape of blade 30Z
* Punching P1 – height 21 mm x width 2,5 mm
* Pitch 37,5 mm
* Frame width 56 mm
* Installation depth 42 mm
* Frame depth 42 mm
* Mesh Punching

P1 as insect mesh

Stainless-steel mesh

2,3 x 2,3 mm as insect mesh

The following combinations are available:

|  |  |  |
| --- | --- | --- |
|  | **P1** | **P1**  **Incl mesh** |
| **Punching P1** | S | S |
| **Stainless-steel mesh**  **2,3 x 2,3** | - | S |

S = standard

## Material and surface treatment

* Aluminium EN AW-6063 T66 (EN 573-3)

Profile thickness: min. 1,5 mm

* Finish
  + Natural anodised (15-20 μm) according to Qualanod
  + Polyester powder coated (60-80 μm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

## Technical specifications

### Reaction to fire

AS-s1,d0 (EN 13501-1)

### Burglar resistance class

Class 2 (NEN 5096:2007 and ENV 1627:2011)

### Fall-through protection

Class XI (BS 6180)

### Free area

|  |  |
| --- | --- |
|  | **P1**  **P1 incl mesh** |
| **Visual free area**  **(Per metre punching)** | 60 % |
| **Physical free area** | 34 % |

### Airflow data

|  |  |  |
| --- | --- | --- |
| **EN 13030** | **P1** | **P1**  **Incl mesh** |
| **Ce** | 0,243 | 0,233 |
| **K-factor intake** | 16,94 | 18,42 |
| **Cd** | 0,234 | 0,224 |
| **K-factor exhaust** | 18,26 | 19,93 |

### Water resistance

|  |  |  |
| --- | --- | --- |
| **EN 13030** | **P1** | **P1**  **Incl mesh** |
| **V = 0 m/s** | B | C |
| **V = 0,5 m/s** | C | C |
| **V = 1 m/s** | C | C |
| **V = 1,5 m/s** | D | C |
| **V = 2 m/s** | D | D |
| **V = 2,5 m/s** | D | D |
| **V = 3 m/s** | D | D |
| **V = 3,5 m/s** | D | D |