# Wall louvre– DUCO Ventilation & Sun ControlDucoGrille Solid++ G 30Z

## Description

DucoGrille Solid++ G 30Z is a burglar resistant recessed 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
* Ptich 37,5 mm
* Frame width 45 mm
* Flange depth 15 mm
* Frame depth 42 mm
* Mesh Punching

P1 as insect mesh

Stainless-steel mesh

 2,3 x 2,3 mm as insect mesh

* Drip tray profile Optional

The following combinations are available:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **P1** | **P1****Incl mesh** | **P1 + options** | **P1****Incl mesh****+ options** |
| **Punching P1** | S | S | S | S |
| **Punching P2** | - | - | - | - |
| **Stainless-steel mesh****2,3 x 2,3** | - | S | - | S |
| **Drip tray profile** | - | - | S | 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)

### Impact resistance

|  |  |
| --- | --- |
|  | **Class** |
| **EN 13049** | 5 |
| **NF P08-302** | H2/C2 |

### Fall-through protection

|  |  |
| --- | --- |
|  | **Class** |
| **B03-004** | C4 |
| **NEN-EN 1991-1-1** | A/B/F/G |
| **NF P01-013** | A/B (Width < 600 mm) |
| **BS 6180** | XI |

### Free area

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

### Airflow data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EN 13030** | **P1** | **P1****Incl mesh** | **P1 + options** | **P1****Incl mesh****+ options** |
| **Ce** | 0,243 | 0,233 | 0,216 | 0,21 |
| **K-factor intake** | 16,94 | 18,42 | 21,43 | 22,68 |
| **Cd** | 0,234 | 0,224 | 0,242 | 0,226 |
| **K-factor exhaust** | 18,26 | 19,93 | 17,08 | 19,58 |

### Water resistance

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