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

## Description

DucoGrille Solid MR 30Z is a round surface mounted wall louvre made of aluminium extrusion profiles. 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 louvre blades are available with small punching (P1), large punching (P2) or as false louvres (NP).

## Version

* Shape of blade 30Z
* Punching NP – not punched

P1 – height 21 mm x width 2,5 mm

P2 – height 21 mm x width 18 mm

* Pitch 37,5 mm
* Frame width 15 mm
* Installation depth 35 mm
* Frame Depth 35 mm
* Dimension Diameter 300 mm – 1500 mm
* Mesh Punching

P1 as insect mesh

P2 as rodent mesh

## 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)

### Free area

|  |  |  |  |
| --- | --- | --- | --- |
|  | **NP** | **P1** | **P2** |
| **Visual free area**  **(Per metre punching)** | 0 % | 60 % | 86 % |
| **Physical free area** | 0 % | 34 % | 48 % |

### Airflow data

|  |  |  |  |
| --- | --- | --- | --- |
| **EN 13030** | **NP** | **P1** | **P2** |
| **Ce** | - | 0,243 | 0,258 |
| **K-factor intake** | - | 16,94 | 15,02 |
| **Cd** | - | 0,234 | 0,253 |
| **K-factor exhaust** | - | 18,26 | 15,62 |

### Water resistance

|  |  |  |  |
| --- | --- | --- | --- |
| **EN 13030** | **NP** | **P1** | **P2** |
| **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 | D |
| **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 |