

# 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
<b>Punching P1</b>	S	S
<b>Stainless-steel mesh 2,3 x 2,3</b>	-	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