

Wall louvre– DUCO Ventilation & Sun Control

DucoGrille 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