

# Wall louvre – DUCO Ventilation & Sun Control

## DucoGrille Solid G 30Z Barrier Load

### Description

DucoGrille Solid G 30Z Barrier Load is a recessed 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). The grille also serves as impact and fall-through protection.

### 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             45 mm
- Flange depth            15 mm
- Frame depth            42 mm
- Mesh                      Punching  
                                   P1 as insect mesh  
                                   P2 as rodent mesh  
                                   Stainless-steel mesh  
                                   2,3 x 2,3 mm as insect mesh  
                                   6 x 6 mm as rodent mesh  
                                   20 x 20 mm as bird mesh
- Drip tray profile        Optional

The following combinations are available:

	NP	P1	P1 Incl mesh	P1 + options	P1 Incl mesh + options	P2	P2 + options
Punching P1	-	S	S	S	S	-	-
Punching P2	-	-	-	-	-	S	S
Stainless- steel mesh 2,3 x 2,3	-	-	S	-	S	-	S
Stainless- steel mesh 6 x 6	-	-	-	-	O	-	O
Stainless- steel mesh 20x20	-	-	-	-	O	-	O
Drip tray profile	-	-	-	S	S	-	S

S = standard

O = optional

## 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)

### 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

	NP	P1 P1 incl mesh P1 + options P1 incl mesh + options	P2 P2 + options
Visual free area (Per metre punching)	0 %	60 %	86 %
Physical free area	0 %	34 %	48 %

### Airflow data

EN 13030	NP	P1	P1 Incl mesh	P1 + options	P1 Incl mesh + options	P2	P2 + options
Ce	-	0,243	0,233	0,216	0,21	0,258	0,232
K-factor intake	-	16,94	18,42	21,43	22,68	15,02	18,58
Cd	-	0,234	0,224	0,242	0,226	0,253	0,266
K-factor exhaust	-	18,26	19,93	17,08	19,58	15,62	14,13

### Water resistance

EN 13030	NP	P1	P1 Incl mesh	P1 + options	P1 Incl mesh + options	P2	P2 + options
V = 0 m/s	-	B	C	B	A	C	B
V = 0,5 m/s	-	C	C	B	B	C	B
V = 1 m/s	-	C	C	C	B	C	B
V = 1,5 m/s	-	D	C	C	B	D	B
V = 2 m/s	-	D	D	D	B	D	C
V = 2,5 m/s	-	D	D	D	C	D	D
V = 3 m/s	-	D	D	D	D	D	D
V = 3,5 m/s	-	D	D	D	D	D	D