

Window louvre – DUCO Ventilation & Sun Control

DucoGrille Solid F 30Z

Description

DucoGrille Solid F 30Z is an architectural window 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 F-frame is available for glass thicknesses 24, 28 and 32 mm.

Version

- Shape of blade 30Z
- Punching P1 – height 21 mm x width 2,5 mm
P2 – height 21 mm x width 18 mm
- Pitch 37,5 mm
- Dimensions

Glass thickness	Frame width	Frame depth
24	43	38
28	40	42
32	40	41

- 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 in all glass thicknesses:

	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)

Fall-through protection

Class XI (BS 6180)

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