Louvre wall system
DUCO Ventilation & Sun Control
DucoWall Solid 30Z

Description

DucoWall Solid 30Z louvre blades offer high ventilation capacity with relatively small louvre blades. The ‘stackable’ louvre blades form a single whole, making them extra strong and vandal-proof. The strong louvre blade system requires a minimal support structure. DUCO’s 'Direct Clip' system ensures very quick assembly.

Version

Blade

- 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
- Blade height: 33 mm
- Blade depth: 31 mm
- Mesh: Punching
  P1 as insect mesh
  P2 as rodent mesh

Mullion

- Mullion 40/21 (Double)
  - Fixing directly to the underlying structure.
  - Without free span.
- Mullion 40/70 Double and 40/100 Double
  - Fixing to the underlying structure with the supplied L-profiles.
  - Suitable for free span.

Type	Installation depth (mm)
40/21 (Double)	52
40/70 Double	102
40/100 Double	132

Accessories (+options)

- Insect mesh frame 2.3 x 2.3 mm

Material and surface treatment

Blade

- 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)

Mullions

- Aluminium — EN AW-6063 T66 (EN 573-3)
  Profile thickness: min. 1.5 mm
- Finish
  - 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

Feature	NP		P1		P2	
	STD	+OPT	STD	+OPT	STD	+OPT
Visual free area	n/a	n/a	60 %	n/a	86 %	86 %
Physical free area	n/a	n/a	34 %	n/a	48 %	48 %

Flow rates

Feature	NP		P1		P2	
	STD	+OPT	STD	+OPT	STD	+OPT
Ce	n/a	n/a	0.216	n/a	0.234	0.232
K-factor intake	n/a	n/a	21.43	n/a	18.26	18.58
Cd	n/a	n/a	0.242	n/a	0.271	0.266
K-factor exhaust	n/a	n/a	17.08	n/a	13.62	14.13

According to EN 13030

Water resistance

Velocity v (m/s)	NP		P1		P2	
	STD	+OPT	STD	+OPT	STD	+OPT
0	n/a	n/a	B	n/a	B	B
0.5	n/a	n/a	B	n/a	C	B
1	n/a	n/a	C	n/a	C	B
1.5	n/a	n/a	C	n/a	C	B
2	n/a	n/a	D	n/a	D	C
2.5	n/a	n/a	D	n/a	D	D
3	n/a	n/a	D	n/a	D	D
3.5	n/a	n/a	D	n/a	D	D

According to EN 13030

Strength calculation

According to EN 1990, EN 1991, EN 1999