Louvre wall system
DUCO Ventilation & Sun Control
DucoWall Screening 55

Description

DucoWall Screening 55 is a sturdy aluminum louvre wall system with a choice between three different louvre pitches. In this way, the louvre wall can be adapted to the wishes and needs of any project. Installation is quick, as the Z-shaped louvre blades are placed directly on the mullion.
The 'Z'-shaped louvre blade produces a sleek design.

Version

Blade

- Shape of blade: Z-shaped
- Pitch: 75 mm
  112.5 mm
  150 mm
- Blade height: 115 mm
- Blade depth: 64 mm

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)	77
40/70 Double	127
40/100 Double	157

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. 2 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	Pitch 75		Pitch 112		Pitch 150	
	STD	+OPT	STD	+OPT	STD	+OPT
Visual free area	53.5 %	53.5 %	69.0 %	69.0 %	76.7 %	76.7 %
Physical free area	37.1 %	37.1 %	46.1 %	46.1 %	44.4 %	44.4 %

Flow rates

Feature	Pitch 75		Pitch 112		Pitch 150	
	STD	+OPT	STD	+OPT	STD	+OPT
Ce	0.174	0.169	0.198	0.193	0.267	0.257
K-factor intake	33.03	35.01	25.51	26.85	14.03	15.14
Cd	0.193	0.188	0.239	0.229	0.291	0.28
K-factor exhaust	26.85	28.29	17.51	19.07	11.81	12.76

According to EN 13030

Water resistance

Velocity v (m/s)	Pitch 75		Pitch 112		Pitch 150	
	STD	+OPT	STD	+OPT	STD	+OPT
0	A	A	B	A	C	C
0.5	B	A	C	B	D	C
1	B	B	C	B	D	C
1.5	C	B	C	C	D	D
2	D	D	D	D	D	D
2.5	D	D	D	D	D	D
3	D	D	D	D	D	D
3.5	D	D	D	D	D	D

According to EN 13030

Strength calculation

According to EN 1990, EN 1991, EN 1999