

Louvre wall system

DUCO Ventilation & Sun Control

DucoWall Screening 35

Description

DucoWall Screening 35 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 116 mm
- Blade depth 44 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)	57
40/70 Double	107
40/100 Double	137

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	52 %	52 %	68 %	68 %	76 %	76 %
Physical free area	29 %	29 %	27 %	27 %	35 %	35 %

Flow rates

Feature	Pitch 75		Pitch 112		Pitch 150	
	STD	+OPT	STD	+OPT	STD	+OPT
Ce	0.128	0.128	0.122	0.121	0.206	0.204
K-factor intake	61.04	61.04	67.19	68.30	23.56	24.03
Cd	0.162	0.161	0.174	0.175	0.224	0.222
K-factor exhaust	38.10	38.58	33.03	32.65	19.93	20.29

According to EN 13030

Water resistance

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