

Louvre wall system

DUCO Ventilation & Sun Control

DucoWall Screening 70

Description

DucoWall Screening 70 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 113 mm
- Blade depth 82 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)	94.5
40/70 Double	145
40/100 Double	175

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 %	53 %	68 %	68 %	77 %	77 %
Physical free area	37 %	37 %	59 %	59 %	55 %	55 %

Flow rates

Feature	Pitch 75		Pitch 112		Pitch 150	
	STD	+OPT	STD	+OPT	STD	+OPT
Ce	0.182	0.181	0.212	0.212	0.270	0.264
K-factor intake	30.19	30.52	22.25	22.25	13.72	14.35
Cd	0.200	0.197	0.270	0.266	0.313	0.308
K-factor exhaust	25.00	25.77	13.72	14.13	10.21	10.54

According to EN 13030

Water resistance

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