# Louvre wall systemDUCO Ventilation & Sun ControlDucoWall 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