DucoWall Screening 70 louvre wall system

Manufactured by: DUCO Ventilation & Sun Control

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 louvres are placed directly on the mullion. The “Z”-shaped louvre produces a sleek design.

## Features:

* Louvre blades:

Z-shaped aluminium extrusions clipped into mullions

* Louvre pitch: 75, 112 and 150 mm
* Louvre blade depth : 84 mm
* Section thickness: 2 mm

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Screening  70/75 | DucoWall Screening 70/112 | DucoWall Screening 70/150 |
| **Visual free** **airflow** | 53 | 68 | 77 |
| **Physical free** **airflow** | 37 | 59 | 55 |

* Mullions:

The lightweight mullions 40/21 (double: fixing directly to underlying structure (without free overhang)

Heavy-duty mullions 40/70 and 40/100 double: suitable for free overhang, attached to underlying structure by means of supplied L-profiles

* Recess depth:
* Mullion 40/21 (double): 95 mm
* Mullion 40/70 double: 145 mm
* Mullion 40/100 double: 175 mm

## Surface treatment:

* Anodisation: Qualanod-compliant, coating thickness 15-20µm, standard natural colour (colourless anodisation)
* Powder coating: Qualicoat Seaside type A compliant, minimum average coating thickness 60µm, standard RAL colours 70% gloss

Upon request: other finish coating thicknesses, anodising colours and paint gloss levels, textured paints and specific powder coating product codes

## Functional specifications:

### Flow rate standard versions:

|  |  |  |  |
| --- | --- | --- | --- |
| K-Factor | | | |
|  | DucoWall Screening 70/75 | DucoWall Screening 70/112 | DucoWall Screening 70/150 |
| Intake | 30,19 | 22,25 | 13,72 |
| Ce | 0,182 | 0,212 | 0,27 |
| Exhaust | 25,00 | 13,72 | 10,21 |
| Cd | 0,20 | 0,26 | 0,31 |

### Flow rate versions "+ options":

|  |  |  |  |
| --- | --- | --- | --- |
| K-Factor | | | |
|  | DucoWall Screening 70/75 | DucoWall Screening 70/112 | DucoWall Screening 70/150 |
| Intake | 30,52 | 22,25 | 14,35 |
| Ce | 0,181 | 0,212 | 0,264 |
| Exhaust | 25,77 | 14,13 | 10,54 |
| Cd | 0,20 | 0,26 | 0,31 |

### Water resistance standard versions:

|  |  |  |  |
| --- | --- | --- | --- |
| Water repellency | | | |
| BSRIA (EN13030) | | | |
| V (m/s) | Class | | |
|  | DucoWall Screening 70/75 | DucoWall Screening 70/112 | DucoWall Screening 70/150 |
| 0 | B | B | C |
| 0,5 | C | C | D |
| 1 | C | C | D |
| 1,5 | C | C | D |
| 2 | D | D | D |
| 2,5 | D | D | D |
| 3 | D | D | D |
| 3,5 | D | D | D |

### Water resistance versions "+ options":

|  |  |  |  |
| --- | --- | --- | --- |
| Water repellency | | | |
| BSRIA (EN13030) | | | |
| V (m/s) | Class | | |
|  | DucoWall Screening 70/75 | DucoWall Screening 70/112 | DucoWall Screening 70/150 |
| 0 | A | B | C |
| 0,5 | B | B | C |
| 1 | C | C | D |
| 1,5 | C | C | D |
| 2 | D | C | D |
| 2,5 | D | D | D |
| 3 | D | D | D |
| 3,5 | D | D | D |

## Complies with or tested in accordance with the following standards:

* Qualicoat Seaside type A (if painted finish)
* Qualanod (if anodised finish)
* EN 573 - EN AW-6063 T66 and EN AW-6060 T66: aluminium alloy & hardening
* EN 13030: water resistance and determination of Ceand Cdcoefficients
* EN 1990, EN 1991, EN 1999: strength calculations