DucoWall Screening 35 louvre wall system

Manufactured by: DUCO Ventilation & Sun Control

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 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 : 44 mm
	+ Section thickness: 2 mm

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Screening35/75 | DucoWall Screening35/112 | DucoWall Screening35/150 |
| Visual freeairflow | 52 | 68 | 76 |
| Physical freeairflow | 29 | 27 | 35 |

* 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): 57 mm
	+ Mullion 40/70 double: 107 mm
	+ Mullion 40/100 double: 137 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 |
|  | DucoWallScreening 35/75 | DucoWallScreening 35/112 | DucoWallScreening 35/150 |
| Intake | 61,04 | 67,19 | 23,56 |
| Ce | 0,128 | 0,122 | 0,206 |
| Exhaust | 38,10 | 33,03 | 19,93 |
| Cd | 0,162 | 0,174 | 0,224 |

* Flow rate versions "+ options":

|  |
| --- |
| K-Factor |
|  | DucoWallScreening 35/75 | DucoWallScreening 35/112 | DucoWallScreening 35/150 |
| Intake | 61,04 | 68,30 | 24,03 |
| Ce | 0,128 | 0,121 | 0,204 |
| Exhaust | 38,58 | 32,65 | 20,29 |
| Cd | 0,161 | 0,175 | 0,222 |

* Water repellency standard versions:

|  |
| --- |
| Water resistance |
| BSRIA (EN13030) |
| V (m/s) | Class |
|  | DucoWall Screening35/75 | DucoWall Screening35/112 | DucoWallScreening 35/150 |
| 0 | A | B | C |
| 0,5 | B | C | C |
| 1 | B | C | D |
| 1,5 | D | D | D |
| 2 | D | D | D |
| 2,5 | D | D | D |
| 3 | D | D | D |
| 3,5 | D | D | D |

* Water repellency versions "+ options":

|  |
| --- |
| Water resistance |
| BSRIA (EN13030) |
| V (m/s) | Class |
|  | DucoWall Screening35/75 | DucoWall Screening35/112 | DucoWallScreening 35/150 |
| 0 | A | B | C |
| 0,5 | B | B | C |
| 1 | B | C | D |
| 1,5 | D | D | D |
| 2 | D | D | 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