Continuous louvre walls DucoWall Solid W 30Z

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Solid W 30Z is a louvre wall system that can be fitted against a support structure. The stackable louvre blades provide unparalleled rigidity and make installation quick. The perforated louvre blades act as an insect screen (2 types of perforation).

The “Z”-shaped louvre produces a sleek design.

## Features:

* Louvre blades:

Z-shaped aluminium extrusions clipped into support profiles

* Louvre pitch: 37.50 mm
* Louvre blade depth : 30 mm
* Section thickness: minimum 1.5 mm

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Solid W 30Z P1 | DucoWall Solid W 30Z P2 | DucoWall Solid W 30Z NP |
| Visual free area | 60 | 86 | 0 |
| Physical free area | 34 | 48 | 0 |

* Support profiles:

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): 52 mm
* Mullion 40/70 double: 102 mm
* Mullion 40/100 double: 132 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:

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Solid W 30Z P1 | DucoWall Solid W 30Z P2 | DucoWall Solid W 30Z NP |
| K-factor intake | 21,43 | 18,26 |  |
| K-factor exhaust | 17,08 | 13,62 |  |
| Ce | 0,216 | 0,234 |  |
| Cd | 0,242 | 0,271 |  |

### Flow rate versions "+ options":

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Solid W 30Z P1 | DucoWall Solid W 30Z P2 | DucoWall Solid W 30Z NP |
| K-factor intake |  | 18,58 |  |
| K-factor exhaust |  | 14,13 |  |
| Ce |  | 0,232 |  |
| Cd |  | 0,266 |  |

### Water resistance standard versions:

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall SolidW 30Z P1 | DucoWall SolidW 30Z P2 | DucoWall SolidW 30Z NP |
| v = 0 m-s | B | B |  |
| v = 0,5 m-s | B | C |  |
| v = 1 m-s | C | C |  |
| v = 1,5 m-s | C | C |  |
| v = 2 m-s | D | D |  |
| v = 2,5 m-s | D | D |  |
| v = 3 m-s | D | D |  |
| v = 3,5 m-s | D | D |  |

### Water resistance versions "+ options":

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall SolidW 30Z P1 | DucoWall SolidW 30Z P2 | DucoWall SolidW 30Z NP |
| v = 0 m-s |  | B |  |
| v = 0,5 m-s |  | B |  |
| v = 1 m-s |  | B |  |
| v = 1,5 m-s |  | B |  |
| v = 2 m-s |  | C |  |
| v = 2,5 m-s |  | D |  |
| v = 3 m-s |  | D |  |
| v = 3,5 m-s |  | 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