Continuous louvre walls DucoWall Classic W 50Z/30°

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Classic W 50Z/30° is a louvre wall system that can be fitted against a support structure. Quick and easy assembly is possible because of the ‘Turn-Click’ system. The “Z”-shaped louvre blade produces a sleek design. The louvre wall is available with 65 or 75 mm spacing.

## Features:

* Louvre blades:

Z-shaped aluminium extrusions clipped into blade holders

* Blade height: 72 mm
* Louvre blade depth: 53 mm
* Section thickness: minimum 1.5 mm

|  |  |  |
| --- | --- | --- |
|  | DucoWall Classic W 50Z/30°/65 | DucoWall Classic W 50Z/30°/75 |
| Louvre pitch | 65 | 75 |
| Visual free area | 41 | 49 |
| Physical free passage | 40 | 46 |

* Support profiles:

Aluminium extrusions featuring a groove for securing the blade holders

The lightweight support profiles 30/12 and 50/12: fixing directly to underlying structure (without free overhang)

Heavy-duty support profiles 21/50 Multi, 50/50 and 50/125: suitable for free overhang, attached to underlying structure by means of supplied L-profiles

* Blade holders: injection-moulded parts made of polyamide PA 6.6 glass-fibre reinforced
* Recess depth:
* Support profile 50/12: 65 mm
* Support profile 50/50 or 21/50 Multi: 103 mm
* Support profile 50/125: 178 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 Classic W 50Z/30°/65 | DucoWall Classic W 50Z/30°/75 |
| K-factor inlet | 14,57 | 10,27 |
| K-factor outlet | 10,54 | 8,70 |
| Ce | 0,262 | 0,312 |
| Cd | 0,308 | 0,339 |

### Flow rate versions "+ options":

|  |  |  |
| --- | --- | --- |
|  | DucoWall Classic W 50Z/30°/65 | DucoWall Classic W 50Z/30°/75 |
| K-factor inlet | 15,62 | 10,41 |
| K-factor outlet | 10,96 | 8,86 |
| Ce | 0,253 | 0,31 |
| Cd | 0,302 | 0,336 |

### Water repellency standard versions:

|  |  |  |
| --- | --- | --- |
|  | DucoWall Classic W 50Z/30°/65 | DucoWall Classic W 50Z/30°/75 |
| v = 0.0m/s | B | B |
| v = 0.5m/s | C | C |
| v = 1.0m/s | C | C |
| v = 1.5m/s | C | C |
| v = 2.0m/s | D | D |
| v = 2.5m/s | D | D |
| v = 3.0m/s | D | D |
| v = 3.5m/s | D | D |

### Water repellency versions "+ options":

|  |  |  |
| --- | --- | --- |
|  | DucoWall Classic W 50Z/30°/65 | DucoWall Classic W 50Z/30°/75 |
| v = 0.0m/s | A | B |
| v = 0.5m/s | B | B |
| v = 1.0m/s | B | C |
| v = 1.5m/s | C | C |
| v = 2.0m/s | C | C |
| v = 2.5m/s | C | D |
| v = 3.0m/s | D | D |
| v = 3.5m/s | 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

## Optional burglary protection

Continuous louvre wall can optionally be provided with wire mesh for RC2 burglar resistance.

Class 2 (EN1627:2011 & NEN 5096:2012+A1:2015)