Continuous louvre walls DucoWall Classic W 60C

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Classic W 60C is a ‘feature’ louvre wall system, manufactured from ‘cold-rolled’ rather than extruded, aluminium louvre blades. The plastic louvre holders ensure a unique sturdiness. The three DucoWall Classic 60C applications (single, double or triple) combine maximum airflow with very high water resistance, even in extreme weather conditions.

## Features:

* Louvre blades:

Aluminium extrusions clipped into blade holders

* Blade height: 54 mm
* Louvre pitch: 50 mm
* Louvre blade depth: 70 mm
* Section thickness: minimum 1.5 mm

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Classic W 60C | DucoWall Classic W 60C/2 | DucoWall Classic W 60C/3 |
| Visual free area | 84 | 84 | 84 |
| Physical free passage | 46 | 36 | 36 |

* 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 and 50/50: 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:

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Classic W 60C | DucoWall Classic W 60C/2 | DucoWall Classic W 60C/3 |
| Support profile 50/12 | 89 |  |  |
| Support profile 50/50 or 21/50 Multi | 127 | 127 | 154 |

## 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, paint gloss levels, textured paints and specific powder coating product codes

## Functional specifications:

### Flow rate standard versions:

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Classic W 60C | DucoWall Classic W 60C/2 | DucoWall Classic W 60C/3 |
| K-factor inlet | 10,08 | 23,11 | 31,21 |
| K-factor outlet | 10,75 | 26,03 | 42,72 |
| Ce | 0,315 | 0,208 | 0,179 |
| Cd | 0,305 | 0,196 | 0,153 |

### Flow rate versions "+ options":

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Classic W 60C | DucoWall Classic W 60C/2 | DucoWall Classic W 60C/3 |
| K-factor inlet | 11,11 | 24,51 | 32,65 |
| K-factor outlet | 11,81 | 27,41 | 43,86 |
| Ce | 0,3 | 0,202 | 0,175 |
| Cd | 0,291 | 0,191 | 0,151 |

### Water repellency standard versions:

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Classic W 60C | DucoWall Classic W 60C/2 | DucoWall Classic W 60C/3 |
| v = 0.0m/s | B | A | A |
| v = 0.5m/s | C | A | A |
| v = 1.0m/s | C | B | A |
| v = 1.5m/s | D | C | A |
| v = 2.0m/s | D | C | A |
| v = 2.5m/s | D | C | C |
| v = 3.0m/s | D | D | D |
| v = 3.5m/s | D | D | D |

### Water repellency versions "+ options":

|  |  |  |  |
| --- | --- | --- | --- |
|  | DucoWall Classic W 60C | DucoWall Classic W 60C/2 | DucoWall Classic W 60C/3 |
| v = 0.0m/s | B | A | A |
| v = 0.5m/s | C | A | A |
| v = 1.0m/s | C | B | A |
| v = 1.5m/s | D | C | A |
| v = 2.0m/s | D | C | A |
| v = 2.5m/s | D | C | C |
| v = 3.0m/s | D | D | D |
| v = 3.5m/s | D | D | D |

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

* Qualicoat Seaside type A
* 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