Continuous louvre walls DucoWall Classic W 50HP

Manufactured by: DUCO Ventilation & Sun Control

The DucoWall Classic 50HP is distinguished by a simple click system that ensures very smooth installation. In addition, with the DucoWall Classic 50HP there are also many possibilities with doors, roof cowls... For example, a door can be fitted with the same louvres and profiles as the louvre walls you have chosen.

DucoWall Classic W 50HP is a louvre wall system that can be fitted freestanding or against an existing structure. Quick and easy assembly is possible because of the ‘Turn-Click’ system. The uniquely shaped ‘High Performance’ louvre blade with a low resistance factor ensures purge ventilation.

## Features:

* Louvre blades:

Aluminium extrusions (EN AW-6063 T66 (EN573-3)) to be clipped into louvre holders

* Blade height: 50 mm
* Louvre pitch: 50 mm
* Louvre blade depth: 56 mm
* Section thickness: minimum 1.5 mm
* Visual free area: 88 %
* Physical free area: 68 %
* 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

* Louvre blade holders:
* injection-moulded parts made of polyamide PA 6.6 glass-fibre reinforced
OR
* metal parts Zamak Electrophoresis blackened
* Recess depth:
* Mullion 50/12: 68 mm
* Mullion 50/50 or 21/50 Multi: 106 mm
* Mullion 50/125: 181 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 version:

* + K-factor intake: 7.80
	+ K-factor exhaust: 5.19
	+ Ce coefficient: 0.358
	+ Cdcoefficient: 0.439

### Flow rate version "+ options":

* + K-factor intake: 8.07
	+ K-factor exhaust: 5.81
	+ Ce coefficient: 0.352
	+ Cdcoefficient: 0.415

### Water resistance standard version:

* + v = 0.0m/s: class C
	+ v = 0.5m/s: class C
	+ v = 1.0m/s: class C
	+ v = 1,5m/s: class D
	+ v = 2.0m/s: class D
	+ v = 2.5m/s: class D
	+ v = 2.0m/s: class D
	+ v = 2.5m/s: class D

### Water resistance version "+ options":

* + v = 0.0m/s: class B
	+ v = 0.5m/s: class B
	+ v = 1.0m/s: class B
	+ v = 1,5m/s: class C
	+ v = 2.0m/s: class C
	+ v = 2.5m/s: class C
	+ v = 2.0m/s: class D
	+ v = 2.5m/s: class 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

## Optionally burglary-resistant

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

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

## Fire reaction

* If version with plastic louvre holders: D-s2,d0 (EN13501-1)
* If version with metal louvre holders: A2-s1,d0 (EN13501-1)