Continuous louvre walls DucoWall Classic W 20V

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Classic W 20V 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 unique “V”-shaped blade ensures better water resistance and makes the louvre grille ‘penetration-proof’ and difficult to see through from the outside.

## Features:

* Louvre blades:

V-shaped aluminium extrusions clipped into blade holders

* Blade height: 20 mm
* Louvre pitch: 20 mm
* Louvre blade depth: 23 mm
* Section thickness: minimum 1.5 mm
* Visual free area: 95 %
* Physical free area: 37%
* 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: 35 mm
* Support profile 50/50 or 21/50 Multi: 73 mm
* Support profile 50/125: 148 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 inlet: 41.62
	+ K-factor outlet: 41.62
	+ Ce coefficient: 0.155
	+ Cdcoefficient: 0.155

### Flow rate version "+ options":

* + K-factor inlet: 45.04
	+ K-factor outlet: 45.04
	+ Ce coefficient: 0.149
	+ Cdcoefficient: 0.149

### Water repellency standard version:

* + v = 0.0m/s: class A
	+ v = 0.5m/s: class B
	+ 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 = 3.0m/s: class D
	+ v = 3.5m/s: class D

### Water repellency version "+ options":

* + v = 0.0m/s: class A
	+ v = 0.5m/s: class A
	+ v = 1.0m/s: class B
	+ v = 1.5m/s: class B
	+ v = 2.0m/s: class C
	+ v = 2.5m/s: class D
	+ v = 3.0m/s: class C
	+ v = 3.5m/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

## 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)