

## 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
  - $C_e$  coefficient: 0.358
  - $C_d$  coefficient: 0.439
- Flow rate version "+ options":
  - K-factor intake: 8.07
  - K-factor exhaust: 5.81
  - $C_e$  coefficient: 0.352
  - $C_d$  coefficient: 0.415
- Water resistance standard version:
  - $v = 0.0\text{m/s}$ : class C
  - $v = 0.5\text{m/s}$ : class C
  - $v = 1.0\text{m/s}$ : class C
  - $v = 1,5\text{m/s}$ : class D
  - $v = 2.0\text{m/s}$ : class D
  - $v = 2.5\text{m/s}$ : class D
  - $v = 2.0\text{m/s}$ : class D
  - $v = 2.5\text{m/s}$ : class D
- Water resistance version "+ options":
  - $v = 0.0\text{m/s}$ : class B
  - $v = 0.5\text{m/s}$ : class B
  - $v = 1.0\text{m/s}$ : class B
  - $v = 1,5\text{m/s}$ : class C
  - $v = 2.0\text{m/s}$ : class C
  - $v = 2.5\text{m/s}$ : class C
  - $v = 2.0\text{m/s}$ : class D
  - $v = 2.5\text{m/s}$ : 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  $C_e$  and  $C_d$  coefficients
- 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)