

Continuous louvre walls DucoWall Classic W 45HP

Manufactured by: DUCO Ventilation & Sun Control

The DucoWall Classic 45HP is distinguished by a simple click system that ensures very smooth installation. In addition, with the DucoWall Classic 45HP 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 45HP 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 : 48 mm
 - Section thickness: minimum 1.4 mm
 - Visual free area: 70 %
 - Physical free area: 60 %
- **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: 60 mm
 - Mullion 50/50 or 21/50 Multi: 98 mm
 - Mullion 50/125: 173 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: 11.49
 - K-factor exhaust: 6.75
 - C_e coefficient: 0.295
 - C_dcoefficient: 0.385

- **Flow rate version "+ options":**
 - K-factor intake: 11.49
 - K-factor exhaust: 7.34
 - C_e coefficient: 0.295
 - C_dcoefficient: 0.369

- **Water resistance standard version:**
BSRIA (EN13030)
 - v = 0.0m/s: class C
 - v = 0.5m/s: class C
 - v = 1.0m/s: class C
 - v = 1,5m/s: class C
 - 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 resistance version "+ options":**
BSRIA (EN13030)
 - v = 0.0m/s: class B
 - v = 0.5m/s: class B
 - v = 1.0m/s: class C
 - v = 1,5m/s: class C
 - v = 2.0m/s: class C
 - v = 2.5m/s: class C
 - v = 3.0m/s: class D
 - 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 C_eand C_dcoefficients
- 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 clips: D-s2,d0 (EN13501-1)
- If version with metal clips: A2-s1,d0 (EN13501-1)