

## Continuous louvre walls DucoWall Acoustic W 300

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Acoustic 300 : In this version, two 150 louvre blades are placed one after the other, so that optimum sound absorption can be achieved. Nevertheless, the installation depth remains limited at 334 mm.

### Features:

- **Louvre blades:**
  - Louvre height: 155.5 mm
  - Louvre pitch (mm)
  - Louvre blade depth : 30 mm
  - Section thickness: minimum 1.5 mm
  - Visual free area: 74 %
  - Physical free area: 35%
- **Support profiles:**

Aluminium extrusions featuring a groove for securing the blade holders  
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:**
  - Support profile 50/50 or 21/50 Multi: 334 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: 13.52
  - K-factor outlet: 13.52
  - C<sub>e</sub> coefficient: 0.272
  - C<sub>d</sub>coefficient: 0.272
- **Flow rate version "+ options":**
  - K-factor inlet: 16.00
  - K-factor outlet: 16.00
  - C<sub>e</sub> coefficient: 0.25
  - C<sub>d</sub>coefficient: 0.25

- **Water resistance standard version:**
  - v = 0.0m/s: class A
  - 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 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 B
  - v = 1.0m/s: class B
  - v = 1,5m/s: class C
  - v = 2.0m/s: class C
  - v = 2.5m/s: class D
  - v = 3.0m/s: class d
  - v = 3.5m/s: class D
  
- **Attenuation value**
  - Rw (C;Ctr) (in dB): 17 (-1;-3)

**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
- EN ISO 10140: acoustic measurements