

## Continuous louvre walls DucoWall Acoustic W 75L

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Acoustic W 75L is a sound-absorbing continuous louvre system made of aluminium extrusion profiles. The louvre blades have sound-absorbing, non-flammable mineral wool inside. The aluminium blades are clicked onto plastic blade holders.

### Features:

- **Louvre blades:**  
L-shaped aluminium extrusions clipped into blade holders
  - Blade height: 74 mm
  - Louvre pitch: 60 mm
  - Louvre blade depth: 75 mm
  - Section thickness: minimum 1.5 mm
  - Visual free area: 95 %
  - Physical free area: 34%
- **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 30/12 or 50/12: 87 mm
  - Support profile 50/50 or 21/50 Multi: 125 mm
  - Support profile 50/125: 200 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: 22.25
  - K-factor outlet: 15.02
  - C<sub>e</sub> coefficient: 0.212
  - C<sub>d</sub>coefficient: 0.258

- **Flow rate version "+ options":**
  - K-factor inlet: 22.89
  - K-factor outlet: 15.50
  - $C_e$  coefficient: 0.209
  - $C_d$  coefficient: 0.254
  
- **Water repellency standard version:**
  - $v = 0.0\text{m/s}$ : class B
  - $v = 0.5\text{m/s}$ : class B
  - $v = 1.0\text{m/s}$ : 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
  - $v = 3.0\text{m/s}$ : class D
  - $v = 3.5\text{m/s}$ : class D
  
- **Water repellency 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 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
  - $v = 3.0\text{m/s}$ : class D
  - $v = 3.5\text{m/s}$ : class D
  
- **Attenuation value**
  - $R_w$  (C;Ctr) (in dB): 6 (0;-2)

### 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

### 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)