

## Continuous louvre walls DucoWall Acoustic W 75Z

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Acoustic W 75Z is a sound-absorbing continuous louvre system made of aluminium extrusion profiles. One type of louvre blade offers the option of two different looks: Z and L. The louvre blades have sound-absorbing, non-flammable mineral wool inside. The aluminium blades are clicked onto plastic blade holders.

### Features:

- **Louvre blades:**  
Z-shaped aluminium extrusions clipped into blade holders
  - Blade height: 74 mm
  - Louvre pitch: 60 mm
  - Louvre blade depth: 67 mm
  - Section thickness: minimum 1.5 mm
  - Visual free area: 76 %
  - Physical free area: 28 %
- **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: 79 mm
  - Support profile 50/50 or 21/50 Multi: 117 mm
  - Support profile 50/125: 192 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: 26.03
  - K-factor outlet: 29.86
  - $C_e$  coefficient: 0.196
  - $C_d$  coefficient: 0.183

- Flow rate version "+ options":
  - K-factor inlet: 26.03
  - K-factor outlet: 30.19
  - $C_e$  coefficient: 0.196
  - $C_d$  coefficient: 0.182
- 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 C
  - $v = 2.0\text{m/s}$ : class D
  - $v = 2.5\text{m/s}$ : class D
  - $v = 3.0\text{m/s}$ : class D
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- Water repellency version "+ options":
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  - $v = 1.0\text{m/s}$ : class C
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  - $v = 2.0\text{m/s}$ : class D
  - $v = 2.5\text{m/s}$ : class D
  - $v = 3.0\text{m/s}$ : class D
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- Attenuation value
  - $R_w$  (C;Ctr) (in dB): 6 (0;-1)

#### 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)