

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_dcoefficient: 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
 - $v = 3.5\text{m/s}$: 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 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
 - $v = 3.5\text{m/s}$: class D

- 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)