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: 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: 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
	+ Ce coefficient: 0.196
	+ Cdcoefficient: 0.183

### Flow rate version "+ options":

* + K-factor inlet: 26.03
	+ K-factor outlet: 30.19
	+ Ce coefficient: 0.196
	+ Cdcoefficient: 0.182

### Water repellency standard version:

* + 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 D
	+ 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 B
	+ v = 0.5m/s: class B
	+ 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

### Attenuation value

* + Rw (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 Ceand Cdcoefficients
* 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)