

## Continuous louvre walls DucoWall Solid W 30Z

Manufactured by: DUCO Ventilation & Sun Control

DucoWall Solid W 30Z is a louvre wall system that can be fitted against a support structure. The stackable louvre blades provide unparalleled rigidity and make installation quick. The perforated louvre blades act as an insect screen (2 types of perforation).

The “Z”-shaped louvre produces a sleek design.

### Features:

- **Louvre blades:**  
Z-shaped aluminium extrusions clipped into support profiles
  - Louvre pitch: 37.50 mm
  - Louvre blade depth : 30 mm
  - Section thickness: minimum 1.5 mm

|                    | DucoWall Solid W 30Z P1 | DucoWall Solid W 30Z P2 | DucoWall Solid W 30Z NP |
|--------------------|-------------------------|-------------------------|-------------------------|
| Visual free area   | 60                      | 86                      | 0                       |
| Physical free area | 34                      | 48                      | 0                       |

- **Support profiles:**  
The lightweight mullions 40/21 (double: fixing directly to underlying structure (without free overhang)  
Heavy-duty mullions 40/70 and 40/100 double: suitable for free overhang, attached to underlying structure by means of supplied L-profiles
- **Recess depth:**
  - Mullion 40/21 (double): 52 mm
  - Mullion 40/70 double: 102 mm
  - Mullion 40/100 double: 132 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 versions:

|                  | DucoWall Solid<br>W 30Z P1 | DucoWall Solid<br>W 30Z P2 | DucoWall Solid<br>W 30Z NP |
|------------------|----------------------------|----------------------------|----------------------------|
| K-factor intake  | 21,43                      | 18,26                      |                            |
| K-factor exhaust | 17,08                      | 13,62                      |                            |
| Ce               | 0,216                      | 0,234                      |                            |
| Cd               | 0,242                      | 0,271                      |                            |

- Flow rate versions "+ options":

|                  | DucoWall Solid<br>W 30Z P1 | DucoWall Solid<br>W 30Z P2 | DucoWall Solid<br>W 30Z NP |
|------------------|----------------------------|----------------------------|----------------------------|
| K-factor intake  |                            | 18,58                      |                            |
| K-factor exhaust |                            | 14,13                      |                            |
| Ce               |                            | 0,232                      |                            |
| Cd               |                            | 0,266                      |                            |

- Water resistance standard versions:

|             | DucoWall Solid<br>W 30Z P1 | DucoWall Solid<br>W 30Z P2 | DucoWall Solid<br>W 30Z NP |
|-------------|----------------------------|----------------------------|----------------------------|
| v = 0 m-s   | B                          | B                          |                            |
| v = 0,5 m-s | B                          | C                          |                            |
| v = 1 m-s   | C                          | C                          |                            |
| v = 1,5 m-s | C                          | C                          |                            |
| v = 2 m-s   | D                          | D                          |                            |
| v = 2,5 m-s | D                          | D                          |                            |
| v = 3 m-s   | D                          | D                          |                            |
| v = 3,5 m-s | D                          | D                          |                            |

- Water resistance versions "+ options":

|             | DucoWall Solid<br>W 30Z P1 | DucoWall Solid<br>W 30Z P2 | DucoWall Solid<br>W 30Z NP |
|-------------|----------------------------|----------------------------|----------------------------|
| v = 0 m-s   |                            | B                          |                            |
| v = 0,5 m-s |                            | B                          |                            |
| v = 1 m-s   |                            | B                          |                            |
| v = 1,5 m-s |                            | B                          |                            |
| v = 2 m-s   |                            | C                          |                            |
| v = 2,5 m-s |                            | D                          |                            |
| v = 3 m-s   |                            | D                          |                            |
| v = 3,5 m-s |                            | D                          |                            |

**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