# Louvre wall system DUCO Ventilation & Sun Control DucoWall Solid 30Z

## Description

DucoWall Solid 30Z louvre blades offer high ventilation capacity with relatively small louvre blades. The ‘stackable’ louvre blades form a single whole, making them extra strong and vandal-proof. The strong louvre blade system requires a minimal support structure. DUCO’s 'Direct Clip' system ensures very quick assembly.

## Version

### Blade

* Shape of blade 30Z
* Punching NP – not punched

P1 – height 21 mm x width 2.5 mm

P2 – height 21 mm x width 18 mm

* Pitch 37.5 mm
* Blade height 33 mm
* Blade depth 31 mm
* Mesh Punching

P1 as insect mesh

P2 as rodent mesh

### Mullion

* Mullion 40/21 (Double)
  + Fixing directly to the underlying structure.
  + Without free span.
* Mullion 40/70 Double and 40/100 Double
  + Fixing to the underlying structure with the supplied L-profiles.
  + Suitable for free span.

|  |  |
| --- | --- |
| Type | Installation depth (mm) |
| 40/21 (Double) | 52 |
| 40/70 Double | 102 |
| 40/100 Double | 132 |

### Accessories (+options)

* Insect mesh frame 2.3 x 2.3 mm

## Material and surface treatment

### Blade

* Aluminium EN AW-6063 T66 (EN 573-3)

Profile thickness: min. 1.5 mm

* Finish
  + Natural anodised (15-20 μm) according to Qualanod
  + Polyester powder coated (60-80 μm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

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## Technical specifications

### Reaction to fire

AS-s1,d0 (EN 13501-1)

### Free area

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Feature | NP | | P1 | | P2 | |
| **STD** | **+OPT** | **STD** | **+OPT** | **STD** | **+OPT** |
| Visual free area | n/a | n/a | 60 % | n/a | 86 % | 86 % |
| Physical free area | n/a | n/a | 34 % | n/a | 48 % | 48 % |

### Flow rates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Feature | NP | | P1 | | P2 | |
| **STD** | **+OPT** | **STD** | **+OPT** | **STD** | **+OPT** |
| Ce | n/a | n/a | 0.216 | n/a | 0.234 | 0.232 |
| K-factor intake | n/a | n/a | 21.43 | n/a | 18.26 | 18.58 |
| Cd | n/a | n/a | 0.242 | n/a | 0.271 | 0.266 |
| K-factor exhaust | n/a | n/a | 17.08 | n/a | 13.62 | 14.13 |

According to EN 13030

### Water resistance

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Velocity v (m/s) | NP | | P1 | | P2 | |
| **STD** | **+OPT** | **STD** | **+OPT** | **STD** | **+OPT** |
| 0 | n/a | n/a | B | n/a | B | B |
| 0.5 | n/a | n/a | B | n/a | C | B |
| 1 | n/a | n/a | C | n/a | C | B |
| 1.5 | n/a | n/a | C | n/a | C | B |
| 2 | n/a | n/a | D | n/a | D | C |
| 2.5 | n/a | n/a | D | n/a | D | D |
| 3 | n/a | n/a | D | n/a | D | D |
| 3.5 | n/a | n/a | D | n/a | D | D |

According to EN 13030

### Strength calculation

According to EN 1990, EN 1991, EN 1999