# Built-in window grille DucoGrille Solid F 30Z

Manufactured by: DUCO Ventilation & Sun Control

DucoGrille Solid F 30Z is an architectural window grille manufactured from aluminium extrusion profiles. The stackable louvre blades provide unparalleled rigidity. The perforated louvre blades act as an insect screen (2 types of perforation). The “Z”-shaped louvre blade produces a sleek design.

## Features:

* Louvre pitch: 37.50 mm
* Frame depth: 38 mm for the Solid F 30Z/24 and 42 mm for the Solid F 30Z/28 and 32.
* Section thickness: minimum 1.2 mm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Solid 30/24 Z P1 | Solid 30/24 Z P2 | Solid 30/24 Z NP | Solid 30/28 Z P1 | Solid 30/28 Z P2 | Solid 30/28 Z NP | Solid 30/32 Z P1 | Solid 30/32 Z P2 | Solid 30/32 Z NP |
| Visual free area | 60 | 86 | 0 | 60 | 86 | 0 | 60 | 86 | 0 |
| Physical free passage | 34 | 48 | 0 | 34 | 48 | 0 | 34 | 48 | 0 |
| Flange width | 24 | 24 | 24 | 28 | 28 | 28 | 32 | 32 | 32 |

## Accessories (included):

|  |  |  |
| --- | --- | --- |
|  | Perforated louvre blades | Stainless steel insect screen |
|  | Insect screen | Bird protection | 2,3 x 2,3 mm | 6 x 6 mm | 20 x 20 mm |
| Solid 30/24 P1 | S |  |  |  |  |
| Solid 30/24 P2 |  | S | S | O | O |
| Solid 30/24 NP |  |  |  |  |  |
| Solid 30/28 P1 | S |  |  |  |  |
| Solid 30/28 P2 |  | S | S | O | O |
| Solid 30/28 NP |  |  |  |  |  |
| Solid 30/32 P1 | S |  |  |  |  |
| Solid 30/32 P2 |  | S | S | O | O |
| Solid 30/32 NP |  |  |  |  |  |
| S = Standard | O = Optional |  |  |  |  |

## 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:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Solid 30Z P1 | Solid 30Z P2 | Solid 30Z NP |
| K-factor inlet | 16,94 | 15,02 |  |
| K-factor outlet | 18,26 | 15,62 |  |
| Ce | 0,243 | 0,258 |  |
| Cd | 0,234 | 0,253 |  |

### Flow rate version "+ options":

|  |  |  |  |
| --- | --- | --- | --- |
|  | Solid 30Z P1 | Solid 30Z P2 | Solid 30Z NP |
| K-factor inlet | 21,43 | 18,58 |  |
| K-factor outlet | 17,08 | 14,13 |  |
| Ce | 0,216 | 0,232 |  |
| Cd | 0,242 | 0,266 |  |

### Water resistance standard version:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | v = 0 m-s | v = 0.5 m-s | v = 1 m-s | v = 1.5 m-s | v = 2 m-s | v = 2.5 m-s | v = 3 m-s | v = 3.5 m-s |
| Solid 30Z P1 | B | C | C | D | D | D | D | D |
| Solid 30Z P2 | C | C | C | D | D | D | D | D |
| Solid 30Z NP |  |  |  |  |  |  |  |  |

### Water resistance version "+ options":

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | v = 0 m-s | v = 0.5 m-s | v = 1 m-s | v = 1.5 m-s | v = 2 m-s | v = 2.5 m-s | v = 3 m-s | v = 3.5 m-s |
| Solid 30Z P1 | B | B | C | C | D | D | D | D |
| Solid 30Z P2 | B | B | B | B | C | D | D | D |
| Solid 30Z NP |  |  |  |  |  |  |  |  |

## 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 Ce and Cd coefficients