**DucoDoor Grille**

Manufactured by: Duco ‘Ventilation & Sun Control’

DucoDoor Grille is a free-standing ventilated louvre door or false louvre door, with or without specific requirements for intrusion resistance and/or draught-proofing.

## Features:

* Louvre type:DucoGrille Solid 30Z, punched (P1 or P2) or non-punched (NP).
* Intrusion resistance:

Choice of configurations: intrusion-resistant RC2 (complies with standard EN 1627:2011 & NEN5096+C2:2011) with DucoGrille Solid 30Z NP or 30Z P1 in all cases, or non-intrusion-resistant (non-RC2).

* Door frame:

Door frame section with mitre corner joints and fitted with rubber gasket.

Partial door frame (= made to drawing) or full door frame: if partial, the bottom door frame section is replaced by a 60 x 5 mm flat section (can be removed after fitting).

* Door leaf:

Door frame section with mitre corner joints and provided on the inside with groove in which the DucoGrille Solid 30Z louvres are fitted.

This double door can be symmetrical or asymmetrical: in a symmetrical double door both door leaves are the same width.

* Door type: Both single and double doors available.
* Opening direction: Outward or inward opening (reinforced available only with outward-opening doors).
* Configuration: Left and right-hand.
* Height:
	+ Door frame height: Intrusion-resistant: 2050 mm min. to 2900 mm max.

Non-intrusion-resistant: 1500 mm min. to 2900 mm max.

* + Effective height: Partial frame: door frame height – 67 mm.

Full frame: door frame height – 135 mm.

* + Door leaf height: Partial frame: door frame height – 63 mm.

Full frame: door frame height – 108 mm.

* Width:
	+ Door frame width: **Single door**

From 710 mm minimum to 1600 mm maximum.

**Double door**

1320 mm minimum to 3100 mm maximum.

* + Effective width: Door frame width – 135 mm.
	+ Width per leaf: Door frame width – 108 mm.
* Hinges:

Stainless steel hinges, equipped with security pins in RC2 configuration; quantity 3 if door leaf height >2300 mm or door leaf width >1250 mm, otherwise quantity 2.

Allow opening angle up to 180°.

* Tension cable:

Diagonal stainless-steel tension cable fitted on the inside of the door whenever 3 hinges are required.

* Lock height (SH): Standard height 1064 mm and can be altered in steps of one louvre.
* Lock:
	+ Cylinder lock (with 3 keys).
	+ Multipoint locking for doors higher than 2.3 m and/or intrusion-resistant version (RC2).
* Door frame fixing:
	+ External dowels.
	+ Internal dowels.
	+ Corner joints.
* Door furniture:

L-shaped or round handle on the inside and outside for non-intrusion-resistant doors. Combinations with a fixed handle for intrusion-resistant doors.

* Visual free area:

Depending on the perforation selected for the DucoGrille Solid 30Z 0% for NP (no punching), 60% per metre for P1 punching, 86% per metre for P2 punching.

* Physical free area:

Depending on the perforation selected for the DucoGrille Solid 30Z 0% for NP (no punching), 34% for P1 punching, 48% for P2 punching.

* Material:
	+ Aluminium: Al Mg Si 0.5.
	+ Rubber gasket: TPE.

## Options:

* Stainless steel exclusion mesh: 2.3 x 2.3 mm against insects, 6 x 6 mm, 10 x 10 mm or 20 x 20 mm against vermin.
* Multipoint locking for door frame heights <2300 mm if non-RC2 version.
* Door closer.
* Door restrictor stay.

## Surface treatment:

* QUALANOD-compliant anodising.
* QUALICOAT-compliant enamelled polyester power coating.

## Functional specifications:

### Flow rate:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **DucoGrille Solid** **30Z P1** | **DucoGrille Solid****30Z P2** | **DucoGrille Solid** **30Z NP** |
| **Intake K-factor** | 17.01 | 12.38 |  |
| **Outlet K-factor** | 18.30 | 12.73 |  |