Duco Roof Turret Solid 30Z

Manufactured by: DUCO Ventilation & Sun Control

The Duco Roof Turret Solid 30Z is a roof cowl with punched louvre blades, made of extruded aluminium . Ventilation is ducted through the flat roof. The roof cowl can be finished in a choice of RAL colours. The Roof Turret Solid 30Z can be used for both supply and extraction of air with natural and mechanical ventilation.

Features:

* Louvre blades:

Z-shaped aluminium extrusions

* DucoGrille Solid M30Z with punching (P1) 21mm high x 2.5mm wide
* DucoGrille Solid M30Z with punching (P2) 21mm high x 18 mm wide
* Louvre pitch: 37.5 mm
* Louvre blade depth : 30 mm
* Section thickness: minimum 1.5 mm
* Visual free area: P1: 60%

P2: 86%

* Physical free area: P1: 34%

P2: 48%

* Construction:

The custom-made M30Z grilles are to be fitted between special angle sections. An L‑profile 150/50/4 is to be provided at the bottom. At the top, the roof cowl is to be finished with a sloping, matching roof panel.

* Dimensions:

Roof cowl length Min.: 200 mm - Max.: 2630 mm Up to 2000 Pa

Roof cowl width Min.: 200 mm - Max.: 1180 mm Up to 2000 Pa

Roof cowl height Min.: 255 mm - Max.: 1600 mm

* PROOFING

P1: Insect resistant

Supplied with stainless steel insect mesh 2.3 x 2.3 mm as an option

Supplied with stainless steel vermin mesh 6 x 6 mm as an option

Surface treatment:

Powder coating: Qualicoat Seaside type A compliant, minimum average coating thickness 60µm, standard RAL colours 70% gloss

Upon request: other finish coating thicknesses and paint gloss levels, textured paints and specific powder coating product codes

Functional specifications:

* Flow rate:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AIRFLOW (EN13030) |  | Ce |   | Ke |   | Cd |   | Kd |
| P1 |   |  | 0,243 |   | 16,94 |   | 0,234 |   | 18,26 |
| P2 |   |  | 0,258 |   | 15,02 |   | 0,253 |   | 15,62 |
| P2 + Eggcrate grille |  | 0,179 |   | 31,21 |   | 0,202 |   | 24,51 |

* Water resistance:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |
| WATER RESISTANT (EN13030) |  | 0 m/s | 0.5 m/s | 1 m/s | 1.5 m/s | 2 m/s | 2.5 m/s | 3 m/s | 3.5 m/s |
| P1 |   |  | B | C | C | D | D | D | D | D |
| P2 |   |  | C | C | C | D | D | D | D | D |
| P2 + Eggcrate grille |  | A | A | A | B | C | C | D | D |

Complies with or tested in accordance with the following standards:

* Qualicoat Seaside type A
* 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

