

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)	C_e	K_e	C_d	K_d
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 C_e and C_d coefficients
- EN 1990, EN 1991, EN 1999: strength calculations
- EN ISO 10140: acoustic measurements

