

Recessed wall-mounted grille Duco Acoustic Panel 300

Manufactured by: DUCO Ventilation & Sun Control

DucoGrille Acoustic Panel 300 is a sound-absorbing recessed mounted wall louvre, manufactured from extruded aluminium sections. The louvre blades are set in an aluminium frame and have sound-absorbing, non-flammable mineral wool inside.

Features:

- Louvre shape: Acoustic 150
- Louvre pitch: 130 mm
- Frame rebate: 37 mm
- Installation depth: 300 mm
- Section thickness: minimum 1.5 mm
- Visual free area: 71 %
- Physical free area: 31 %
- Water gutter: no water gutter, standard bottom sill sloping outwards inclination 5°
- Fastening: to side, via holes provided in the side plates of the module (diameter 5.5mm, countersunk) . Fixing materials depending on customer structure (not supplied by DUCO).

Accessories:

- Optional with insect mesh 2.3 x 2.3 mm
- Optional with vermin-resistant mesh 6 x 6 mm
- Optional with vermin-resistant mesh 20 x 20 mm

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 standard version:**
 - K-factor inlet: 26.75
 - K-factor outlet: 27.41
 - C_e coefficient: 0.194
 - C_dcoefficient: 0.191
- **Flow rate version "+ options":**
 - K-factor inlet: 31.92
 - K-factor outlet: 27.41
 - C_e coefficient: 0.177
 - C_dcoefficient: 0.191

- **Water resistance standard version:**
 - v = 0.0m/s: class C
 - v = 0.5m/s: class D
 - v = 1.0m/s: class D
 - v = 1,5m/s: class D
 - v = 2.0m/s: class D
 - v = 2.5m/s: class D
 - v = 3.0m/s: class D
 - v = 3.5m/s: class D

- **Water repellency version "+ options":**
 - v = 0.0m/s: class B
 - v = 0.5m/s: class C
 - v = 1.0m/s: class D
 - v = 1,5m/s: class D
 - v = 2.0m/s: class D
 - v = 2.5m/s: class D
 - v = 3.0m/s: class D
 - v = 3.5m/s: class D

- **Attenuation value**
 - Rw (C;Ctr) (in dB): 17 (-1;-4)

Sound reduction index	
Hz	dB
125	6,3
250	5,9
500	11,6
1000	20,1
2000	22,7
4000	21,5
Rw(C;Ctr)	17 (-1;-4)

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 Ce and Cd coefficients
- EN ISO 10140: acoustic measurements (for acoustic products)