

Acoustic air flow grille DucoGrille Transfer Acoustic

Manufactured by: DUCO Ventilation & Sun Control

DucoGrille Transfer Acoustic is an air flow grille with composite acoustic louvre blades, which fits easily into doors and walls. The grille is available with or without a counter-frame and the frame depth is adjustable. The DucoGrille Transfer Acoustic is suited for air flows between interior spaces, but can also be used between interior and exterior spaces (e.g. exterior doors). Thanks to the acoustic louvre blades, noise is strongly attenuated.

Features:

- Louvre pitch: 35 mm
- Installation dimensions: 28 - 84 mm
- Width: Min. width without counterframe 245 mm
 Min. width with counterframe 255 mm
 Max. width without counterframe 800 mm
 Max. width with counterframe 810 mm
- Height: Min. height without counterframe 115 mm
 Min. height with counterframe 125 mm
 Max. height without counterframe 535 mm
 Max. height with counterframe 545 mm
- Visual free area: 27 %
- Physical free area: 18 %

Surface treatment:

- Powder coating: Qualicoat Seaside type A compliant, minimum average coating thickness 60µm, standard RAL colours
Upon request: other finish coating thicknesses, paint gloss levels, textured paints and specific powder coating product codes

Functional specifications:

- Flow rate:
 - K-factor inlet: 145.2
 - K-factor outlet: 148.7
 - C_e coefficient: 0.083
 - C_dcoefficient: 0.082
- Water repellency:
 - v = 0.0m/s: class A
 - v = 0.5m/s: class A
 - v = 1.0m/s: class C
 - 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

DucoGrille Transfer Acoustic 245 x 115

$R_w (C;C_{tr})$: 13 (-1;-2) dB
 $D_{n,e,w} (C;C_{tr})$: 33 (-1;-2) dB

DucoGrille Transfer Acoustic 320 x 220

$R_w (C;C_{tr})$: 9 (0;-1) dB
 $D_{n,e,w} (C;C_{tr})$: 29 (0;-1) dB

DucoGrille Transfer Acoustic 440 x 325

$R_w (C;C_{tr})$: 6 (0;-1) dB
 $D_{n,e,w} (C;C_{tr})$: 25 (0;-1) dB

DucoGrille Transfer Acoustic 440 x 430

$R_w (C;C_{tr})$: 7 (0;-1) dB
 $D_{n,e,w} (C;C_{tr})$: 24 (0;-1) dB

DucoGrille Transfer Acoustic 765 x 535

$R_w (C;C_{tr})$: 7 (0;-1) dB
 $D_{n,e,w} (C;C_{tr})$: 21 (0;-1) dB

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 ISO 10140: acoustic measurements (for acoustic products)

