

Solar shading system DucoSun 100 C Framed

Manufactured by: DUCO Ventilation & Sun Control

DucoSun 100 C is an architectural components system with fixed C-shaped louvres. Thanks to the patented DUCO "Slide-Click" system, the louvre blades are secured quickly and easily to the support structure in a fixed angle.

Features:

- **Louvre blades:**
 - Type:** Louvre 100 C
 - Shape:** C-shaped (100 x 12 mm)
 - Material:** Aluminium extrusions Al Mg Si 0.5
 - Louvre pitch:** 107.5 mm
 - Blade width:** 100 mm
 - Blade thickness:** Minimum 1.3 mm
 - Inclination:** 45°
 - Surface treatment:**
 - Anodised in natural as standard (15-20 µm) (VB6/A20/VOM1)
 - Enamelled polyester powder coating (60-80 µm)
 - Fitting method:** Click the louvres onto the support sections according to the manufacturer's mounting instructions
- **Louvre blade holders:**
 - Type:** Louvre blade holder DucoSun C Framed
 - Material:** Plastic, Polyamide PA 6.6, glass-fibre reinforced, UV colourfast
 - Colour:** Black or gray
 - Fitting method:** Attach the louvre blade holders to the mullions using the 'slide-clip' system according to the manufacturer's mounting instructions
- **Frame profiles:**
 - Type:** Frame profile 100 flat
 - Material:** Aluminium extrusions Al Mg Si 0.5
 - Profile height:** 100 mm
 - Section thickness:** Minimum 2.0 mm
 - Surface treatment:**
 - Anodised in natural as standard (15-20 µm) (VB6/A20/VOM1)
 - Enamelled polyester powder coating (60-80 µm)
 - Fitting method:** According to the manufacturer's mounting instructions
- **Wall plates:**
 - Types:**
 - Wall plate 775/110/160 for frame profile 100.

(Note: specific project or customer-oriented wall plates can be applied. Refer to manufacturer.)

 - Material:** Steel QSTE 380

Surface treatment:

- Blasted with steel grit GH40
- Metallised
- Epoxy primer base coat (60-80 µm)
- Polyester powder coating finish (60-80 µm) - RAL colour

Fitting method: According to the manufacturer's mounting instructions

Mullions:**Types:**

- Mullion 30/12
- Mullion 50/12

Material: Aluminium extrusions Al Mg Si 0.5

Width: 30 mm (30/12) or 50 mm (50/12)

Section thickness: Minimum 2.0 mm

Surface treatment:

- Anodised in natural as standard (15-20 µm) (VB6/A20/VOM1)
- Enamelled polyester powder coating (60-80 µm)

Fitting method: According to the manufacturer's mounting instructions

Surface treatment:

- Anodisation: Qualanod-compliant, coating thickness 15-20µm, standard natural colour (colourless anodisation)
 - Powder coating: according to Qualicoat Seaside type A, enamelled polyester powder coating, minimum average coating thickness 60 µm, standard RAL colours 70% gloss
- Upon request: other finish layer thicknesses, anodising colours and paint gloss levels, as well as "seaside" paints, textured paints and specific coating powder references.

Finish:

- **Without strut:**
 - Wall plates
- **With strut:**
 - Strut 20/20/3.5
 - Wall plate 30/100 for strut 20/20/3.5
 - Wall plate 775/110/160 for frame profile.

Complies with or tested in accordance with the following standards:

- Qualicoat Seaside type A (if painted finish)
- Qualanod (if anodised finish)
- EN 573 - EN AW-6063 T66 and EN AW-6060 T66: aluminium alloy & hardening
- EN 1990, EN 1991, EN 1999: strength calculations