

## Solar shading system DucoSun 100 D Framed

Manufactured by: DUCO Ventilation & Sun Control

Permanent external solar shading system. 100 D aluminium louvres are mounted in a frame at a fixed 45° angle of inclination. A flat or full bullnose fascia is used to finish this frame. Depending on the cantilever, the systems are fixed to the façade not only with wall plates, but also with struts.

### Features:

- **Louvre blades:**

**Type:** Louvre 100 D

**Shape:** 100 D-shaped

**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:** clip DucoSun 100 D 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
- Frame profile 100 round

**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

**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