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