**Solar shading system DucoSun 100 D Overslung**

Manufactured by: Duco ‘Ventilation & Sun Control’

Permanent external solar shading system. 100 D Series solar shading systems have their aluminium blades above the support profiles at a fixed 45 degree blade mounting angle. All fascia profiles are available in a wide range of finishes. Overhang-dependent, the systems are fixed to the façade not just with bracketry, but also with struts.

## Features:

* Louvre blades:

**Type**: Blade 100 D

**Shape**: 100 D-shaped

**Material**: Aluminium extrusions, Al Mg Si 0.5

**Blade pitch**: 107,5 mm

**Blade width**: 100 mm

**Blade thickness**: Minimum 1,4 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**: Clip the louvre blades onto the blade holders in accordance with the manufacturer’s fitting instructions

* Blade holders:

**Type**: Blade holder DucoSun 100 D Overslung

**Material**: Plastic, polyamide PA 6.6, fibreglass reinforced, UV colourfast

**Colour**: Black or grey

**Fitting method**: Fasten the louvre blade holders to the support profiles using the ‘slide-clip’ system in accordance with the manufacturer’s fitting instructions

* Wall plates:

**Types**:

* Wall plate 670/110/160 for support profile 30/78.
* Wall plate 670/110/160 for support profile 30/50 type B.

(Note: specific wall plates in line with project or customer requirements can be used. Refer to manufacturer).

**Material**: Steel, QSTE 380

**Surface treatment**:

* Blast-cleaned with GH40 steel shot
* Metallised
* Epoxy primer base coat (60-80 µm)
* Polyester powder coating finish (60-80 µm) – RAL colour

**Fitting method**: In accordance with the manufacturer’s fitting instructions

* Support profiles:

**Types**:

* Support profile 30/50 type B
* Support profile 30/78

**Material**: Aluminium extrusions, Al Mg Si 0.5

**Width**: 30 mm

**Profile 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**: In accordance with the manufacturer’s fitting instructions

## Surface treatment:

* Anodising: Qualanod-compliant, coating thickness 15-20 µm, standard natural colour (clear anodising)
* Powder coating: Qualicoat-compliant, minimum average coating thickness 60 µm, standard RAL colours 70% gloss

Upon request: other finish coating thicknesses, anodising colours and paint gloss levels, as well as “seaside” paints, textured paints and specific powder coating product codes.

## Finish:

### Without decorative profile:

### Support profile finish with plastic filler.

### **Types**:

### Plastic filler for support profile 30/50 type B (black/grey)

### Plastic filler for support profile 30/78 (black/grey)

### With decorative profile:

**Types**:

* Decorative profile 175 flat
* Decorative profile 150 flat
* Decorative profile 90 round

**Material**: Aluminium extrusions, Al Mg Si 0.5

**Height**: 150 mm or 175 mm or 90 mm

**Profile thickness**: Minimum 1,5 mm

**Surface treatment**:

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

**Fitting method**: In accordance with the manufacturer’s fitting instructions

### Without pull rod:

* Wall plates

### With pull rod:

* Pull rod 20/20/3.5
* Wall plate 30/100 for pull rod 20/20/3.5
* L-profile 110/110/10-30; carrier for pull rod

### Side plates:

* Standard available

## Complies with or tested in accordance with the following standards:

* Qualicoat (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