**Solar shading system DucoSun 100 D Vertical**

Manufactured by: Duco ‘Ventilation & Sun Control’

Permanent external solar shading system. 100 D Series solar shading systems have their aluminium blades fitted against the support profiles at a fixed 45 degree blade mounting angle.

## Features:

* Louvre blades:

**Type**: Blade 100 D

**Shape**: 100 D-shaped

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

**Blade pitch**: 127,5 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 Vertical

**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

* Support profiles:

**Types**:

* Support profile 30/50 type B
* Support profile 30/78
* Support profile 50/12
* Support profile 50/50
* Support profile 21/50 Multi
* **Material**: Aluminium extrusions, Al Mg Si 0.5

**Width**: 30 mm (30/50 type B, 30/78), 50 mm (50/50, 50/12) or 21 mm (21/50 Multi)

**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.

## 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