

## SPECIFICATION

**Specification: Solar shading system Ducosun 100 C underslung**

**Manufacture:** Duco 'Ventilation & Sun Control'

**Type:** Ducosun 100 C underslung

**Materials:** a) Aluminium: EN AW - 6063 T66

Surface treatment:

Standard natural anodised (15-20 µm) (VB6/A20/VOM1)

Enamelled polyester powder coating (60-80 µm)

b) Thermoplastic components: Polyamide PA 6.6, reinforced with glass fibre, UV colourfast

c) Steel: 37-2

Surface treatment:

Galvanised in a warm bath (complying with EN-ISO 1461), Epoxy primer (60-80 µm) and finishing Polyester Powder coating (60-80 µm)

### **Construction:**

Ducosun 100 C underslung is a permanent external aluminium solar shading system with fixed blades.

### **Basic parts:**

- Wall brackets:

Types: Wall brackets 670/110/160 for rafter 30/78

Wall brackets 500/110/160 for rafter 30/50

(Note: wall brackets for specific projects or customers can be supplied on request)

Materials: Steel 37-2

Surface treatment: Galvanised in a warm bath (complying with EN-ISO 1461), Epoxy primer (60-80 µm) and finishing Polyester Powder coating (60-80 µm)

Assembly instruction: Fix in accordance with the instructions of the Manufacturer

- Rafters:

Types: Rafter 30/50

Rafter 30/78

Materials: Aluminium extrusions Al Mg Si 0.5

Width: 30 mm

Thickness: Minimum 2,0 mm

Surface treatment: Standard natural anodised (15-20 µm) (VB6/A20/VOM1)

Enamelled polyester powder coating (60-80 µm)

Assembly instruction: Fix in accordance with the instructions of the Manufacturer

## SPECIFICATION



- Clips:  
Type: Clip Ducosun C underslung  
Materials: Thermoplastic, Polyamide PA 6.6, reinforced with glass fibre, UV colourfast  
Colour: Black or grey  
Assembly instruction: Fix the blades to the clips by means of the 'slide and click' system in accordance with the assembly instructions of the Manufacturer

- Blades:  
Type: Blade 100 C  
Form: C-shape (100 x 12 mm)  
Materials: Aluminium extrusions Al Mg Si 0.5  
Blade Width: 100 mm  
Blade Thickness: Minimum 1,3 mm  
Surface treatment: Standard natural anodised (15-20 m $\mu$ ) (VB6/A20/VOM1)  
Enamelled polyester powder coating (60-80 m $\mu$ )  
Assembly instruction: Fix the blades to the clips in accordance with the assembly instructions of the Manufacturer

- Finishing:

- Without fascia: Finishing of the rafters with a thermoplastic or an aluminium stopper.  
Types: Thermoplastic stopper for rafter 30/50 (black/grey)  
Thermoplastic stopper for rafter 30/78 (black/grey)

- With fascia:

Types: Facia 175 flat  
Facia 150 flat  
Circular Facia 90  
Materials: Aluminium extrusions Al Mg Si 0.5  
Height: 150 mm or 175 mm or 90 mm  
Blade thickness: Minimum 1,5 mm  
Surface treatment: Standard natural anodised (15-20 m $\mu$ ) (VB6/A20/VOM1)  
Enamelled polyester powder coating (60-80 m $\mu$ )  
Assembly instruction: According to the assembly instructions of the Manufacturer

- Without strut: Wall brackets

- With strut: Strut 20/20/3.5  
Wall brackets 30/100 for strut 20/20/3.5  
L-profile 110/110/10-30; for strut

### General info:

Fix in accordance with the instructions and the calculation programmes of the Manufacturer.  
Construction must fully meet the requirements of the Building Regulations.