

## SPECIFICATION

# Specification: Solar shading system Ducosun 100C Overslung

**Manufacturer:** Bridge Solar for Duco 'Ventilation & Sun Control'

**Type:** Ducosun 100 C Overslung

**Description :** Extruded aluminium solar shading system to reduce solar heat gain and solar glare whilst optimising diffused daylight. The Ducosun 100C Overslung system has fixed 'C' shaped 100mm x 12mm blades attached to the top of the rafters. The blades are inclined at 58 degrees and mounted on a 100mm pitch. They can be finished a flat fascia or bullnose (alternatives on request). Support struts may be required depending upon the panel projection.

### Materials:

a) Aluminium: EN AW - 6063 T66

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

Polyester powder coating (60-80 µm)

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

c) Steel: 37-2.

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

#### 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)

Polyester powder coating (60-80 µm)

#### Clips:

Type: Clip Ducosun C underslung

Materials: Thermoplastic, Polyamide PA 6.6, reinforced with glass fibre, UVcolourfast

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

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### Specification: Solar shading system 100C Overslung (page 2)

#### Basic parts:

##### 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)

Polyester powder coating (60-80 m $\mu$ )

#### Finishing:

Without facia: 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 facia:

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)

Polyester powder coating (60-80 m $\mu$ )

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 :

Supplier: Bridge Solar Ltd, Units 1-2 Northend Road, Stalybridge, Cheshire. SK15 3AZ

[sales@louvre.co.uk](mailto:sales@louvre.co.uk)

Specifications and drawings can be downloaded from [www.bridgesolar.co.uk](http://www.bridgesolar.co.uk), or [www.duco.be](http://www.duco.be)

Assemble in accordance with the instructions and the estimation programs of the Manufacturer.

Construction must fully meet the requirements of the Building Regulations and other legal requirements.