

SPECIFICATION

Specification: Solar shading system Ducosun 100C Underslung

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

Type: Ducosun 100 C underslung

Description : Extruded aluminium solar shading system to reduce solar heat gain and solar glare whilst optimising diffused daylight. The Ducosun 100C underslung system has fixed 'C' shaped 100mm x 12mm blades attached to the underside 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 Ducosun 100C Underslung (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 μ) (VB6/A20/VOM1)

Polyester powder coating (60-80 m μ)

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 μ) (VB6/A20/VOM1)

Polyester powder coating (60-80 m μ)

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

Specifications and drawings can be downloaded from www.bridgesolar.co.uk, or 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.