

SPECIFICATION

Specification: Solar shading system Ducosun 100C Intermediate

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

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 between 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)

Enamelled polyester powder coating (60-80 μm)

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

c) Steel: 37.02

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

Construction:

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

Basic parts:

Wall brackets:

Types: Wall brackets 670/110/160 for frame profile 100 (Note: wall brackets for specific projects or customers can be supplied on request)

Materials: Steel 37.02

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

Rafters:

Types: Rafter 86/95

Materials: Aluminium extrusions Al Mg Si 0.5

Width: 86 mm

Thickness: Minimum 3.0 mm

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

Polyester powder coating (60-80 μm)

Clips:

Type: Clip Ducosun C intermediate

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 μm)(VB6/A20/VOM1)

Enamelled polyester powder coating (60-80 μm)

SPECIFICATION



Specification: Solar shading system Ducosun 100C Intermediate (page 2)

Finishing:

With facia:

Types: Facia 100 semi round

Materials: Aluminium extrusions Al Mg Si 0.5

Height: 99,5 mm

Blade thickness: Minimum 2,0 mm

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

Enamelled polyester powder coating (60-80 m μ)

- *Without strut:* Wall brackets

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.