

SPECIFICATION

Specification: Solar shading system Ducosun 100C Inframe

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

Type: Ducosun 100 C Inframe

Description : Extruded aluminium solar shading system to reduce solar heat gain and solar glare whilst optimising diffused daylight. The Ducosun 100C system has fixed 'C' shaped 100mm x 12mm blades within a perimeter frame, finished with a flat fascia or bullnose. 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 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 Polyester Powder coating (60-80 µm)

Construction:

Ducosun 100 C Inframe 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 onrequest.)

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)

Inframe Box profile:

Types: Inframe Box profile 100 flat

Inframe profile Bullnose 100

Materials: Aluminium extrusions Al Mg Si 0.5

Profile height 100 mm

Profile thickness Minimum 2.0 mm

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

Polyester Powder coating (60-80 µm)

Rafters:

Types: Rafter 30/12

Rafter 50/12

Materials: Aluminium extrusions Al Mg Si 0.5

Width: 30 mm (30/12) or 50 mm (50/12)

Thickness: Minimum 2,0 mm

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

Polyester powder coating (60-80 µm)

SPECIFICATION



Specification: Solar shading system 100C In Frame (page2)

Clips:

Type: Clip Ducosun C inframe

Materials: Thermoplastic, Polyamide PA 6.6, reinforced with glass fibre, UV colourfast

Colour: Black or grey

Assembly instruction: Fix the clips to the rafters 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 μ) (VB6/A20/VOM1)

Polyester powder coating (60-80 m μ)

Fixing

- Without strut: Wall brackets

- With strut: Strut 20/20/3.5

Wall brackets 30/100 for strut 20/20/3.5

Wall brackets 670/110/160 for frame profile 100

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.

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.