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Specification: Solar shading system Ducosun 100 C inframe

Manufacture: Duco 'Ventilation & Sun Control'

**Type:** Ducosun 100 C inframe

**Materials:** 

a) Aluminium: EN AW - 6063 T66

Surface treatment:

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

Enamelled polyester powder coating (60-80 mµ)

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 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 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

 $(60-80 \mu m)$ 

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

- Inframe Boxinprofile:

Types: Inframe Boxinprofile 100 flat

Inframe profile Bullnose 100

Materials: Aluminium extrusions Al Mg Si 0.5

Profile hight 100 mm

Profil thickness Minimum 2,0 mm

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





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- 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)

Enamelled polyester powder coating (60-80 µm)

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

- 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 mµ) (VB6/A20/VOM1)

Enamelled polyester powder coating (60-80 mµ)

Assembly instruction: Fix the blades to the clips in accordance with the assembly instruction of

the Manufacturer

- Finishing:

- 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.

