



Specification: Solar shading system Ducosun F+

Duco 'Ventilation & Sun Control' Manufacturer:

Type: Ducosun F+

a) Aluminium: EN AW - 6063 T66 **Materials:** 

Surface treatment:

Aerofoils:

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

Enamelled polyester powder coating (60-80 µm)

## Construction:

Ducosun F+ is a permanent, external solar shading system with movable, aluminium blades. The spring-taps allow for clearance a small distance between the blade and the support construction. Ducosun F+ is a fully rustproof system!

The maximum span depends on the max dynamic loading provided by wind and for wind combined with extra loadings (e.g. snow, ice, etc.).

Blade	Windload 600Pa (± 115km/h)	Windload 800Pa (± 130km/h)	Windload 1250Pa (± 165km/h)
200F+	2600 mm	2400 mm	2100 mm
300F+	3300 mm	3000 mm	2600 mm
400F+	4000 mm	3700 mm	3200 mm

## **IMPORTANT:**

The above values are CONDITIONAL to:

The blades are fixed with Duco springtaps.

Assembly as per Duco instructions.

The max. deflection of the Aerofoil is 15mm, as per European Directive

ENV 1999-1.

The values as per above table will vary, when one of the above conditions is not met. In that case, strength calculation will need to be performed again.







## Basic parts:

- Springtap:

Materials: Bodymade from Polyamid featuring a stainless

steel spring-tap.

Assembly instruction: Assemble in accordance with the instructions of

the manufacturer.

Elliptical blades:

Types: Blades 200 F+, 300 F+, 400 F+.

Form: Elliptical

Materials: Aluminium extrusions EN AW – 6063 T66

Blade Thickness: 37 mm (200 F+), 50 mm (300 F+), 63 mm (400 F+). Wall Thickness: Min. 1,6 mm (200 F+), min. 1,7 mm (300 F+), min. 2

mm (400 F+)

Surface treatment: Standard natural anodised (15-20 µm)

(VB6/A20/VOM1)

Enamelled polyester powder coating (60-80 µm)

Assembly instruction: The spring-tap is fitted to the blade and kept in its

position by the coverplate. The aluminium rod is fitted to the coverplate by means of a stainless

steel bolt and nut M8.

- Electrical linear drive motor.

Span on request.

Movable between fully open and fully closed

position.

- Endplates: Standard or bespoke endplates are available.

- Materials: Aluminium plate AI Mg 3 G22, lasercut, thickness

5 mm.

Surface treatment: Standard natural anodised (15-20 µm)

(VB6/A20/VOM1).

Enamelled polyester powder coating (60-80 µm)

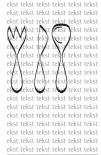
Assembly instruction: Assemble in accordance with the instructions of

the manufacturer. The plates can be provided with screw holes and customized for bespoke

requirements.







## General:

Consult your supplier or the Project Department of Duco 'Ventilation & Sun Control' for commercial and technical assistance (specifications, assembly instructions, part lists, estimation programs, ...). Tel. 0032-58/33 00 33, fax 0032-58/33 00 44, info@duco.be.

Specifications and drawings can be downloaded from <a href="www.duco.be">www.duco.be</a>
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.

