

Solar shading system

DUCO Ventilation & Sun Control

DucoSun Ellips 400 Multifit

Description

Permanent external shading system made of aluminium. The blades are mounted on site in the supporting structure (horizontally or vertically). The elliptical louvre blades ensure the maximum amount of diffused daylight.

Fastening is done with the patented Multifit system. This system consists of one base and a fork. The gearing between the two parts allows for 11 different positions. The inclination angle is adjustable during mounting.

Version

Blade

- Blade type Ellips 400
- Shape of blade ellipse
- Blade height 400 mm
- Blade width 63 mm

Bracket

- Type Multifit 80
- Inclination angle -75°, -60°, -45°, -30°, -15°, 0°, 15°, 30°, 45°, 60° or 75°
- Height 90 mm
- Width 120 mm

Blade fixation

- 2 x hexagon socket countersunk head screw DIN 7991 M5 x 55
- 2 x washer DIN 125-1A M5
- 2 x lock nut DIN 985 M5

Bracket fixation

Type	Material
Directly on supporting structure	<ul style="list-style-type: none"> • 3 x hexagon head bolt DIN 933 M8 x 20 • 3 x washer DIN 125-1A M8
On DUCO mullion	<ul style="list-style-type: none"> • 3 x hexagon head bolt DIN 933 M8 x 20 • 3 x washer DIN 125-1A M8 • 3 x nut plate M8

Accessories

- Coverplates available
 - Aluminium AlMg3, lasered, 3 mm thick

Material and surface treatment

Blade

- Aluminium EN AW-6063 T66 (EN 573-3)
 Profile thickness: min. 2 mm
- Finish
 - Naturel anodised (15-20 µm) according to Qualanod
 - Polyester powder coated (60-80 µm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

Bracket

- Aluminium EN AW-6063 T66 (EN 573-3)
- Finish
 - Polyester powder coated (60-80 µm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

Technical specifications

Strength calculation

According to EN 1990, EN 1991, EN 1999