

Solar shading system

DUCO Ventilation & Sun Control

DucoSun Ellips 250 Unifit

Description

Permanent external shading system made of aluminium. The blades are mounted on site in the supporting structure (horizontally or vertically). The Ellips 250 blades are placed at a fixed inclination angle of 0°, 30° or 45° with a 'Unifit' fork. The elliptical louvre blades ensure the maximum amount of diffused daylight.

Version

Blade

- Blade type Ellips 250
- Shape of blade ellipse
- Blade height 250 mm
- Blade width 43 mm

Bracket

Type	Inclination angle	Height	Width
Unifit 0°	0°	80 mm	40 mm
Unifit 30°	30°	100 mm	40 mm
Unifit 45°	45°	100 mm	40 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"> • 2 x hexagon head bolt DIN 933 M8 x 16 • 2 x washer DIN 125-1A M8
On DUCO mullion	<ul style="list-style-type: none"> • 2 x hexagon head bolt DIN 933 M8 x 16 • 2 x washer DIN 125-1A M8 • 2 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. 1.5 mm
- Finish
 - Natural 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