

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Ellips 200 Unifit

#### Description

Permanent external shading system made of aluminium. The blades are mounted on site in the supporting structure (horizontally or vertically). The Ellips 200 blades are placed at a fixed inclination angle of 0° or 45° with a 'Unifit' fork. The elliptical louvre blades ensure the maximum amount of diffused daylight.

#### Version

##### Blade

- Blade type                      Ellips 200
- Shape of blade                ellipse
- Blade height                  200 mm
- Blade width                    37 mm

##### Bracket

Type	Inclination angle	Height	Width
Unifit 0°	0°	80 mm	40 mm
Unifit 45°	45°	100 mm	40 mm

##### Blade fixation

- 2 x self-drilling screw DIN 7504-O Ø 4,8 x 16

##### Bracket fixation

Type	Material
Directly on supporting structure	<ul style="list-style-type: none"> <li>• 2 x hexagon head bolt DIN 933 M8 x 16</li> <li>• 2 x washer DIN 125-1A M8</li> </ul>
On DUCO mullion	<ul style="list-style-type: none"> <li>• 2 x hexagon head bolt DIN 933 M8 x 16</li> <li>• 2 x washer DIN 125-1A M8</li> <li>• 2 x nut plate M8</li> </ul>

##### 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. 1.4 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