

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Ellips 300 Intermediate

#### Description

Permanent external shading system made of aluminium. As standard, the blades are mounted at a fixed angle of 0°, 45° or 90° between coverplates. Project-specific assembly plates can also be worked out, creating a module. The plates are fixed between the supporting structure.

#### Version

##### Blade

- Blade type                      Ellips 300
- Shape of blade                ellipse
- Blade height                  300 mm
- Blade width                    50 mm

##### Plate

Type	Inclination angle
Coverplate	0°, 45° or 90°
Assembly plate	Project-specific

##### Blade fixation

- 8 x thread-forming screw DIN 7500-MZ M6 x 30

##### Plate fixation

- The plates are provided with screw holes. For assembly plates, the screw holes may change according to the project.
- The blades with coverplates or modules are placed between the pre-assembled structure.
- Dilation is absorbed by neoprene washers.

## Material and surface treatment

### Blade

- Aluminium                      EN AW-6063 T66 (EN 573-3)  
    Profile thickness: min. 1,7 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)

### Plate

- Aluminium                      AlMg3  
    Lasered, 5 mm thick
- 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)

## Technical specifications

### Strength calculation

According to EN 1990, EN 1991, EN 1999