# Solar shading system DUCO Ventilation & Sun Control DucoSun Ellips 400 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 400
* Shape of blade ellipse
* Blade height 400 mm
* Blade width 63 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. 2 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