

Solar shading system

DUCO Ventilation & Sun Control

DucoSun Ellips 100 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 100
- Shape of blade ellipse
- Blade height 100 mm
- Blade width 26 mm

Plate

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

Blade fixation

- 4 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. 1,3 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