

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Cubic 140 Intermediate

#### Description

Permanent external shading system made of aluminium. The blades are attached between assembly plates, creating a module. These modules are fixed between the supporting structure.

#### Version

##### Blade

- Blade type                      Cubic 140
- Shape of blade                rectangular
- Blade height                    140 mm
- Blade width                     37 mm

##### Assembly plate

- Type                                Project-specific
- Inclination angle               Project-specific

##### Blade fixation

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

##### Assembly 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. 1.5 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)

### Assembly 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