# Solar shading systemDUCO Ventilation & Sun ControlDucoSun 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