

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Cubic 200x48 Multifit

#### Description

Permanent external shading system made of aluminium. The blades are mounted on site in the supporting structure (horizontally or vertically). The Cubic 200x48 is a wider version of the Cubic 200.

Fastening is done with the patented Multifit system. This system consists of one base and a fork. The gearing between the two parts allows for 7 different positions. The inclination angle is adjustable during mounting.

#### Version

##### Blade

- Blade type                      Cubic 200x48
- Shape of blade                rectangular
- Blade height                  200 mm
- Blade width                    48 mm

##### Bracket

- Type                              Multifit Cubic
- Inclination angle            -45°, -30°, -15°, 0°, 15°, 30° or 45°
- Height                          90 mm
- Width                            120 mm

##### Blade fixation

- 2 x hexagon socket countersunk head screw DIN 7991 M5 x 70
- 2 x washer DIN 125-1A M5
- 2 x lock nut DIN 985 M5

##### Bracket fixation

Type	Material
Directly on supporting structure	<ul style="list-style-type: none"> <li>• 3 x hexagon head bolt DIN 933 M8 x 20</li> <li>• 3 x washer DIN 125-1A M8</li> <li>• 3 x square taper washer DIN 434 M8 (optional)</li> </ul>
On DUCO mullion	<ul style="list-style-type: none"> <li>• 3 x hexagon head bolt DIN 933 M8 x 20</li> <li>• 3 x washer DIN 125-1A M8</li> <li>• 3 x nut plate M8</li> </ul>

##### Accessories

- Coverplates available
  - Aluminium AlMg3, lasered, 3 mm thick

## Material and surface treatment

### Blade

- Aluminium                      EN AW-6063 T66 (EN 573-3)  
   Profile thickness: min. 1.8 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)

### Bracket

- Aluminium                      EN AW-6063 T66 (EN 573-3)
- Finish
  - 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