**Solar shading system DucoSun Ellips 100 Unifit**

Manufactured by: Duco ‘Ventilation & Sun Control’

Permanent external solar shading system. The aluminium blades are mounted under a fixed inclination of 0° on aluminium support profiles by means of a “Unifit” fork. The spacing between two louvre blades (blade pitch) is dependent on the blade type and the inclination.
The ellipsoid blade styles admit high levels of diffused daylight. DucoSun Ellips offers architects a wide freedom of design.

## Features:

* Louvre blades:

**Type**: Blade Ellips 100

**Shape**: Ellips-shaped

**Material**: Aluminium extrusions, Al Mg Si 0.5

**Blade width**: 100 mm

**Blade thickness**: Ellips 100: 26 mm

**Blade pitch**: Depends on the type of blade and the inclination

**Surface treatment**:

* Anodised in natural as standard (15-20 µm) (VB6/A20/VOM1)
* Enamelled polyester powder coating (60-80 µm)
* Unifit forks:

**Type**:

* Unifit fork 0° (30 mm wide)

**Material**: Aluminium extrusions, Al Mg Si 0.5

**Colour:** Same surface treatment as the blade

**Fitting method**:2 self-drilling screws Ø 4,8 x 16

## Surface treatment:

* Anodising: Qualanod-compliant, coating thickness 15-20 µm, standard natural colour (clear anodising)
* Powder coating: Qualicoat-compliant, minimum average coating thickness 60 µm, standard RAL colours 70% gloss

Upon request: other finish coating thicknesses, anodising colours and paint gloss levels, as well as “seaside” paints, textured paints and specific powder coating product codes.

Configuration

Fixed inclination of 0°.

The spacing between two louvre blades is dependent on the blade type.

## Finish:

### Side plates:

Standard side plates are available.

Aluminium Al Mg 3 G22 sheet, laser-cut, 3 mm thick.

## Complies with or tested in accordance with the following standards:

* Qualicoat (if painted finish)
* Qualanod (if anodised finish)
* EN 573 - EN AW-6063 T66 and EN AW-6060 T66: aluminium alloy & hardening
* EN 1990, EN 1991, EN 1999: strength calculations