



DucoSun Cubic

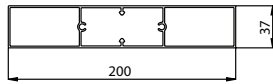
DucoSun Cubic is available with either **fixed** or **electrically adjustable** solar shading blades. They are installed to the support system on-site (either horizontally or vertically). Depending upon the type, fixed solar shading blades are fitted at a **blade mounting angle of 0° or 90°**. Together with the **rectangular shape** of the solar shading blade, this produces a very **clean-cut effect**. When fully closed, the electrically adjustable solar shading blades provide highly effective sun protection. The closed solar shading blades and the façade face are aligned and, therefore, form a perfect unit.

→ Clean-cut rectangular blade geometry.

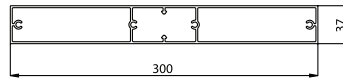
→ The closed solar shading blades and the façade face are aligned and, therefore, form a perfect unit.

Basic components

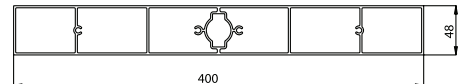
→ Solar shading blades



200 Cubic Series solar shading blade

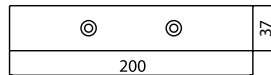


300 Cubic Series solar shading blade

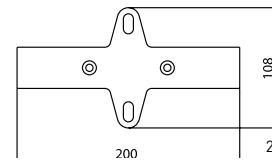


400 Cubic Series solar shading blade

→ End caps:

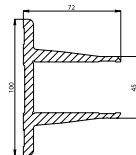


200 Cubic Series 45° end cap



200 Cubic Series 0° end cap

→ Blade holders

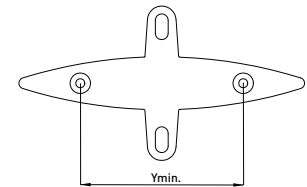


Unifit 0° Cubic 200 - 300

Maximum span

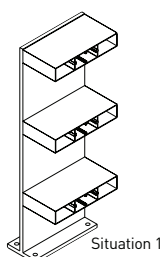
On the following pages you will find tabulated values along with the maximum recommended blade length for each type of solar shading system. These values apply provided following conditions are met:

- The solar shading blades should be fitted using :
 - Screws in between 2 non Duco assembly plates (situation 1) ;
 - Bolts and two end caps against a fixed structure or construction according to the instructions of Duco (situation 2);
 - Bolts, two end caps, T bolts and a Duco support profile against a fixed structure or construction according to the instructions of Duco (situation 3).

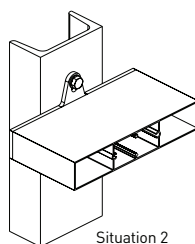


- The Ymin distances should be observed (situations 2 and 3).
- The maximum blade deviation should be 15 mm (compliant to European Directive ENV 1999-1). This means that under no circumstances the maximum dimensions listed in the tables contained in this product brief must never be exceeded.

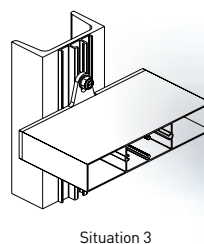
Other span options can be considered. Please feel free to contact Duco for assistance with calculating what you need for your specific project.



Situation 1

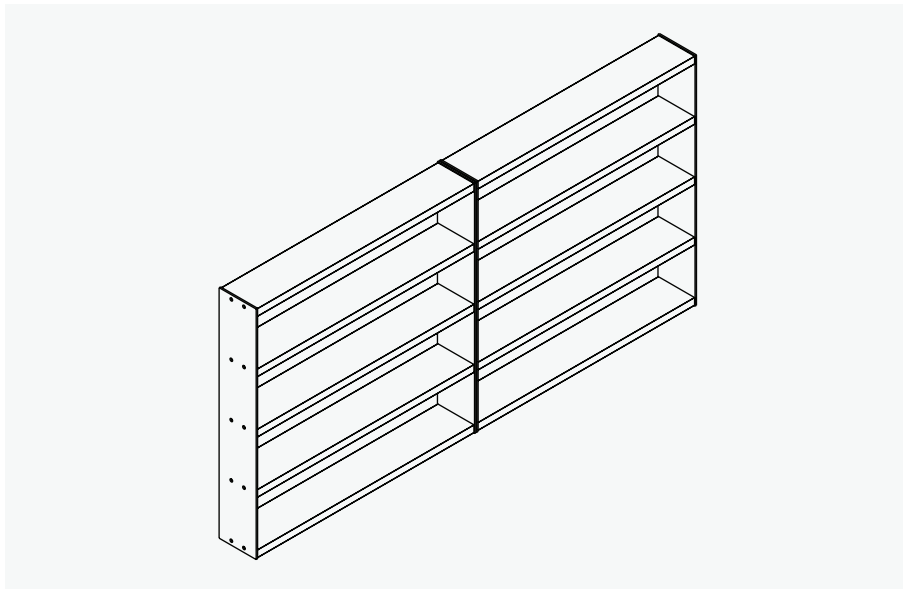


Situation 2

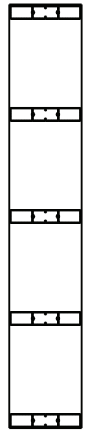


Situation 3





→ DucoSun Cubic
intermediate



DucoSun Cubic intermediate

Permanent external solar shading system. The aluminium solar shading blades are held in place at a **fixed blade mounting angle of 0° or 90°** between end caps. The amount of clearance between two solar shading blades (blade pitch) depends on blade type.

Situation 1: Fitting a blade between two non Duco bespoke assembly plates (Please see www.duco.eu for full details of maximum sizes.)

Situation 2: Fitting a blade between two Duco end caps between a fixed structure

Situation 3: Fitting a blade between two Duco end caps and support profile between a fixed structure

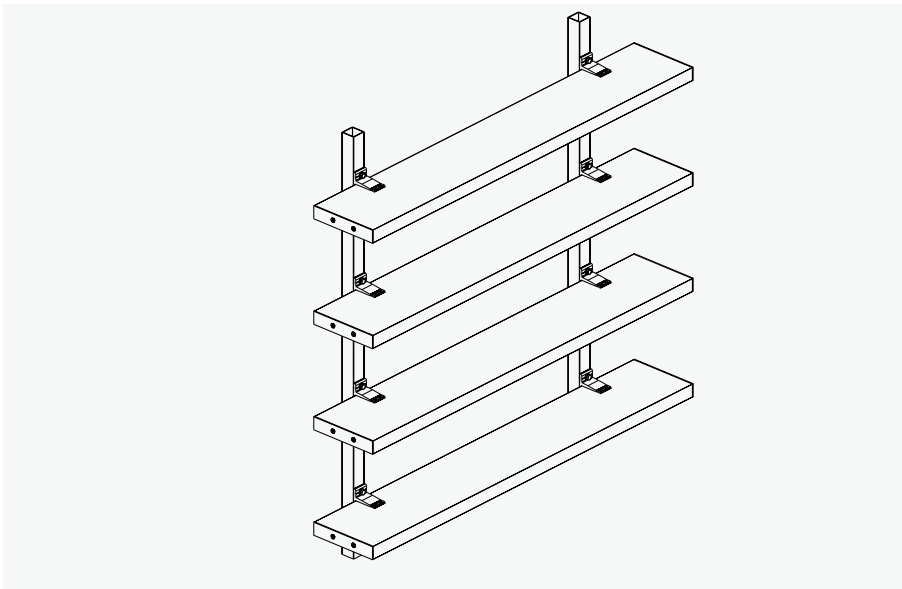
Maximum span

Cubic Series solar shading	Blade mounting angle	Ymin. distance (mm) (C-C of fixings)	With a wind load of:					
			600 Pa (±115km/h)		800 Pa (±130km/h)		1250 Pa (±165km/h)	
200	0°	70	4100	4100	4100	3700	4100	3000
	90°	98	4100	4100	4100	4100	4100	3600
300	0°	90	4700	3900	4700	3400	3900	2800
	90°	110	4700	4300	4700	3800	4400	3100
400	0°	130	5200	3900	5200	3500	4400	3100
	90°	150	5200	3800	5200	3800	4700	3100

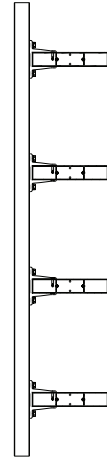
Important: The above values are applicable if all conditions set out on page 37 are satisfied. If any one of these conditions fails, strength calculation as dictated by the specific project situation will need to be performed again. Contact Duco for further assistance.

Technical Specifications

- Cubic Series solar shading blade:	200, 300, 400
- Blade pitch:	Dependent on the type of solar shading blade
- Blade mounting angle:	0° or 90°



→ DucoSun Cubic unifit



DucoSun Cubic unifit

Permanent external solar shading system. The aluminium solar shading blades are fitted to aluminium support profiles at a **fixed 0 degree blade mounting angle** using Unifit clamp fixing brackets. The amount of clearance between two solar shading blades (blade pitch) depends on blade type.

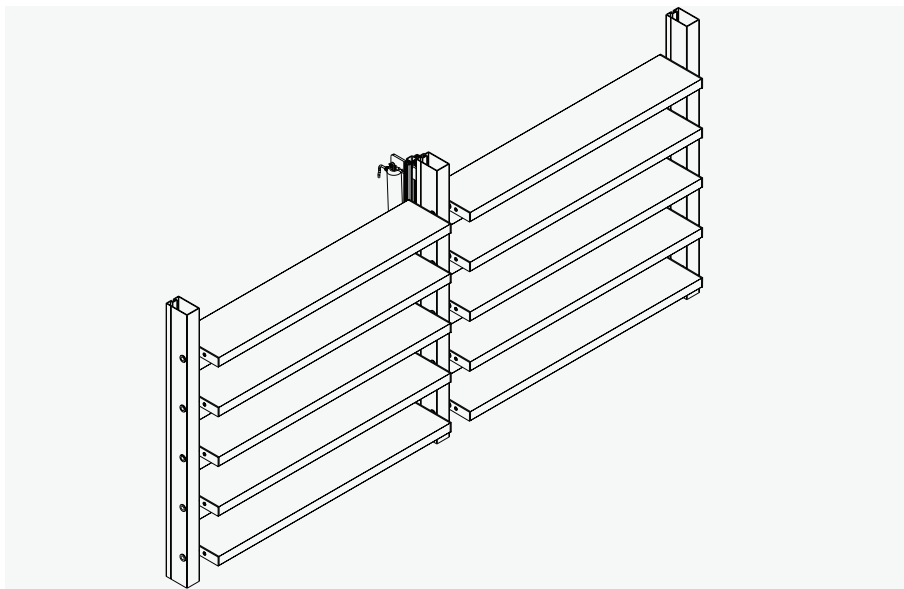
Maximum span

Cubic Series solar shading	Blade mounting angle	Ymin. distance (mm) [C-C of fixings]	With a wind load of:		
			600 Pa (±115km/h)	800 Pa (±130km/h)	1250 Pa (±165km/h)
200	0°	40	3400	3400	3400
300	0°	40	3900	3300	3200

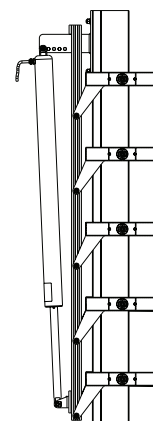
Important: The above values are applicable if all conditions set out on page 37 are satisfied. If any one of these conditions fails, strength calculation as dictated by the specific project situation will need to be performed again. Contact Duco for further assistance.

Technical Specifications

- Cubic Series solar shading:	200, 300
- Blade pitch:	Dependent on the type of solar shading blade
- Blade mounting angle:	0°
- Unifit Series base (width):	40mm



→ DucoSun Cubic moveable



DucoSun Cubic moveable

Permanent external solar shading system. The aluminium solar shading blades are **electrically adjusted**. The spring shafts reduce the clearance between the blades and the support system to a minimum. The amount of clearance between two solar shading blades (blade pitch) depends on blade type and any possible overlap between the solar shading blades.

Maximum span

Cubic Series solar shading	With a wind load of:		
	600 Pa (±115km/h)	800 Pa (±130km/h)	1250 Pa (±165km/h)
200	3400	3200	2800
300	3400	3200	2900
400	4100	3900	3500

Important: The above values are applicable if all conditions set out on page 37 are satisfied. If any one of these conditions fails, strength calculation as dictated by the specific project situation will need to be performed again. Contact Duco for further assistance.

Technical Specifications

- Cubic Series solar shading:	200, 300, 400
- Blade pitch:	Dependent on the type of solar shading blade and any possible overlap between solar
- Blade mounting angle:	electrically adjustable