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C/SFB	
(31.49)	X



ARCHITECTURAL SUN CONTROL

DUCO[®]
VENTILATION & SUN CONTROL
www.duco.eu





The Green

Green





Health, comfort and energy efficiency are the basic ingredients in Duco's 'Green Building Solution'. Whether it involves basic ventilation, intensive ventilation, sound control or climate control... Duco offers a 'natural' solution.

This recipe translates into a comprehensive and trendsetting product menu. Duco's natural systems prevent the so-called 'sick-building' syndrome in buildings. Temperature, sound control, sunlight, humidity and ventilation are decisive comfort factors in a space. The right combination of sun control and natural ventilation through the façade is a way to make a building 'healthy, comfortable and energy efficient'.



DucoSun C & D p. 4



DucoSun F p. 16



DucoSlide p. 28

Green Building Solution

DUCO[®]

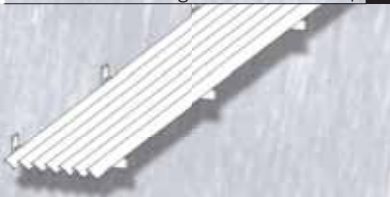
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DucoSun underslung p. 6-7



DucoSun overslung p. 8-9



DucoSun intermediate p. 10-11



DucoSun inframe p. 12-13



DucoSun vertical p. 14-15



DucoSun C & D

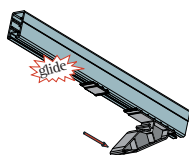
DucoSun 100 C, DucoSun 150 CF, DucoSun 100 D and DucoSun 150 D are external solar shading systems with extruded aluminium blades which reduce the Solar Heat Gain and Solar Glare whilst optimising diffused daylight to comply with document L2. The DucoSun system helps to provide a healthy, comfortable and energy efficient indoor climate.

DucoSun 100 C, DucoSun 150 CF, DucoSun 100 D and DucoSun 150 D are true component systems which are quick and easy to assemble with a minimum of tools thanks to the unique "Glide & Click" system.

Functional design!

The 150 CF, 100 D and 150 D blades combine the functional advantages of the DucoSun C blade (the blade is 'clicked' on the clip) with the elegant, elliptical design of the DucoSun F blade (150 CF) or a very nicely curved design (100 D et 150 D). The strength of the blade also allows a greater span requiring less rafters.

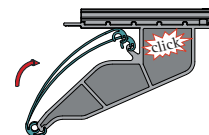
"Glide & Click" system



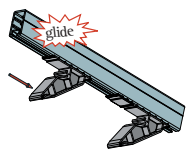
DucoSun C & D underslung



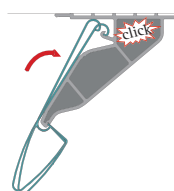
Blade 100 C



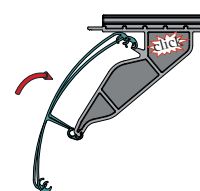
Blade 100 D



DucoSun C & D underslung



Blade 150 CF



Blade 150 D

Please consult our specialized distributors or the project department of Duco 'Ventilation & Sun Control' for commercial and technical assistance (optimal setting, calculations, specifications, assembly instructions, part lists, ...). Tel. +32-58 33 00 66, fax +32-58 33 00 67, info@duco.eu. Specifications and drawings can be downloaded from www.duco.eu

Most of the products in this catalogue are patented and registered design applied for.

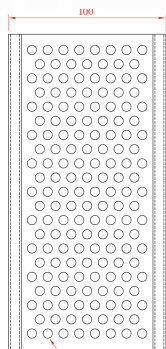


DUCOSUN C & D



DucoSun, Architectural Sun Control !

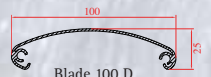
Basic components



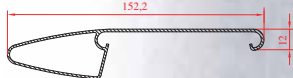
Blade 100 C punched



Blade 100 C



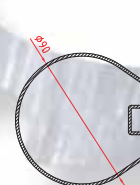
Blade 100 D



Blade 150 CF



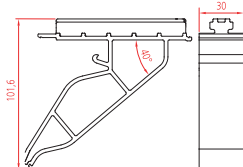
Blade 150 D



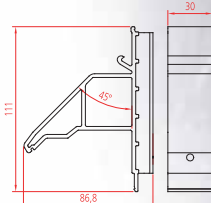
Facia 90 circular



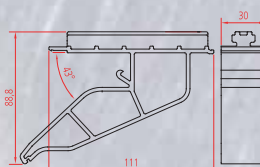
Facia 100 semi-circular



Clip DucoSun C underslung



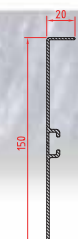
Clip DucoSun C vertical/overslung



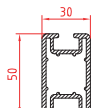
Clip DucoSun C inframe/intermediate



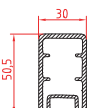
Facia 175 flat



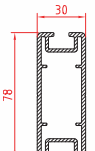
Facia 150 flat



Rafter 30/50



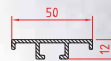
Rafter 30/50 B



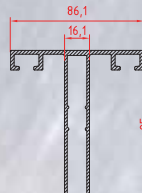
Rafter 30/78



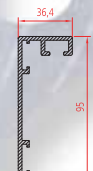
Rafter 30/12



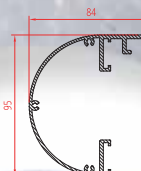
Rafter 50/12



Rafter 86/95



Inframe 100 flat



Inframe 100 bullnose

Characteristics

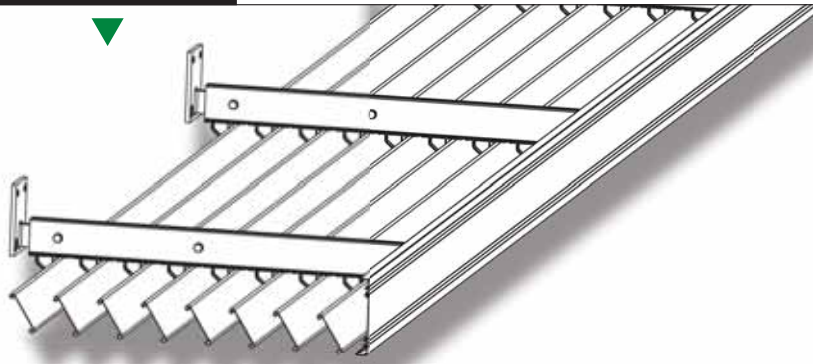
a) Aluminium: EN AW - 6063 T66

Surface treatment: Standard natural anodised (15-20 µm) (VB6/A20/VOM1)

Enamelled polyester powder coating (60-80 µm)

b) Thermoplastic components: Polyamid, reinforced with glass fibre, UV colourfast



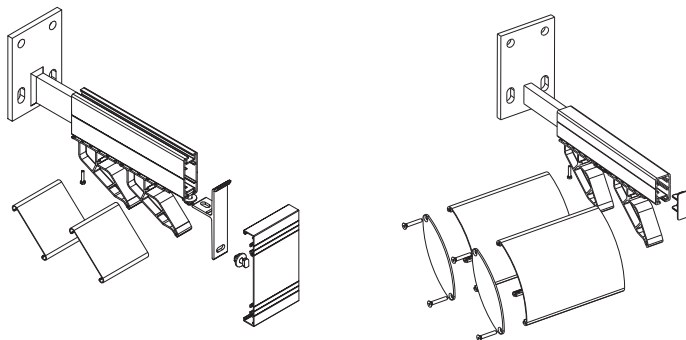


Description

DucoSun 100 C underslung, DucoSun 150 CF underslung, DucoSun 100 D underslung and DucoSun 150 D underslung are permanent external aluminium sun control systems with fixed blades which are attached under the rafters. They can be finished with different types of facia. The use of struts depends on the projection.

Basic components

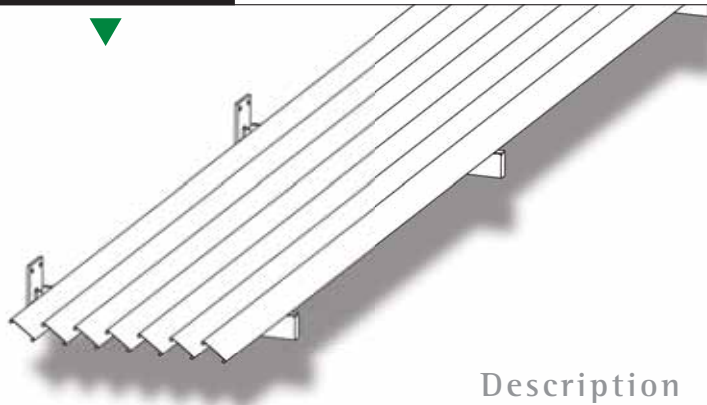
Component	Type	100C	150CF	100D	150D	
Wall brackets	670/110/160 for rafter 30/78	x	x	x	x	
	500/110/160 for rafter 30/50	x	x	x	x	
	specific project or customer dependant wall brackets	x	x	x	x	
Rafters	30/50	x	x	x	x	
	30/78	x	x	x	x	
Clips	underslung (black or grey)	x	x	x	x	
Spacer	to fit blades at pitch 140 mm		x		x	
Thermoplastic stopper	blade 150 CF		x		x	
Coverplate				x	x	
Blades	100 C (standard or punched)	x				
	150 CF		x			
	100 D (standard or punched)			x		
	150 D				x	
Finishing	Without facia	thermoplastic stopper for rafter 30/50 (black or grey)	x	x	x	x
		thermoplastic stopper for rafter 30/78 (black or grey)	x	x	x	x
	With facia	facia 175 flat		x		
		facia 150 flat		x		
		facia 90 bullnose	x	x	x	x
	Without strut	wall brackets	x	x	x	x
		With strut	strut 20/20/3.5	x	x	x
	wall bracket 30/100 for strut 20/20/3.5		x	x	x	x
	L-profile 110/110/10-30; rafter for strut		x	x	x	x





DUCOSUN C & D



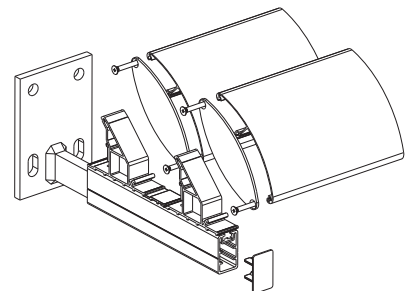
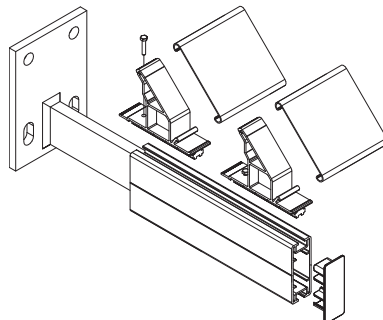


Description

DucoSun 100 C overslung, DucoSun 150 CF overslung, DucoSun 100 D overslung and DucoSun 150 D overslung are permanent external aluminium sun control systems with fixed blades which are attached on top of the rafters. They can be finished with different types of facia. The use of struts depends on the projection.

Basic components

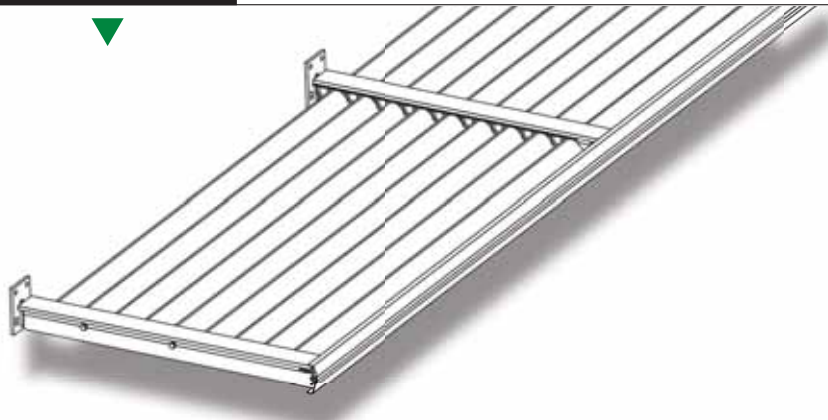
Component	Type	100C	150CF	100D	150D
Wall brackets	670/110/160 for rafter 30/78	x	x	x	x
	500/110/160 for rafter 30/50	x	x	x	x
	specific project or customer dependant wall brackets	x	x	x	x
Rafters	30/50	x	x	x	x
	30/78	x	x	x	x
Clips	vertical/overslung (black or grey)	x	x	x	x
Spacer	to fit blades at pitch 140 mm		x		x
Thermoplastic stopper	blade 150 CF		x		x
Coverplate				x	x
Blades	100 C (standard or punched)	x			
	150 CF		x		
	100 D (standard or punched)			x	
	150 D				x
Finishing	Without facia				
	thermoplastic stopper for rafter 30/50 (black or grey)x		x	x	x
	thermoplastic stopper for rafter 30/78 (black or grey)x		x	x	x
With facia	facia 175 flat	x		x	
	facia 150 flat	x		x	
	facia 90 bullnose	x	x	x	x
Without strut	wall brackets	x	x	x	x
With strut	strut 20/20/3.5	x	x	x	x
	wall bracket 30/100 for strut 20/20/3.5	x	x	x	x
	L-profile 110/110/10-30; rafter for strut	x	x	x	x





DUCOSUN C & D



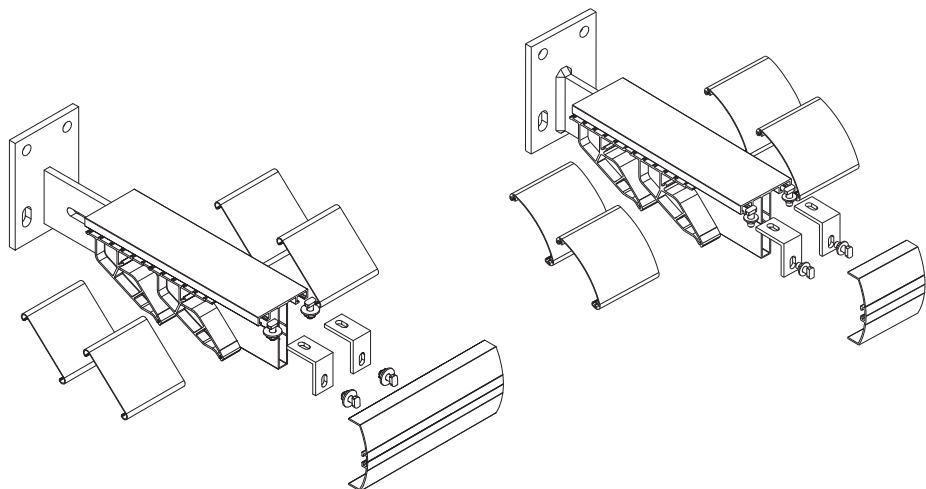


Description

DucoSun 100 C intermediate and DucoSun 100 D intermediate are permanent external sun control systems with fixed blades which are attached between the rafters, finished with a fascia. The use of struts depends on the projection.

Basic components

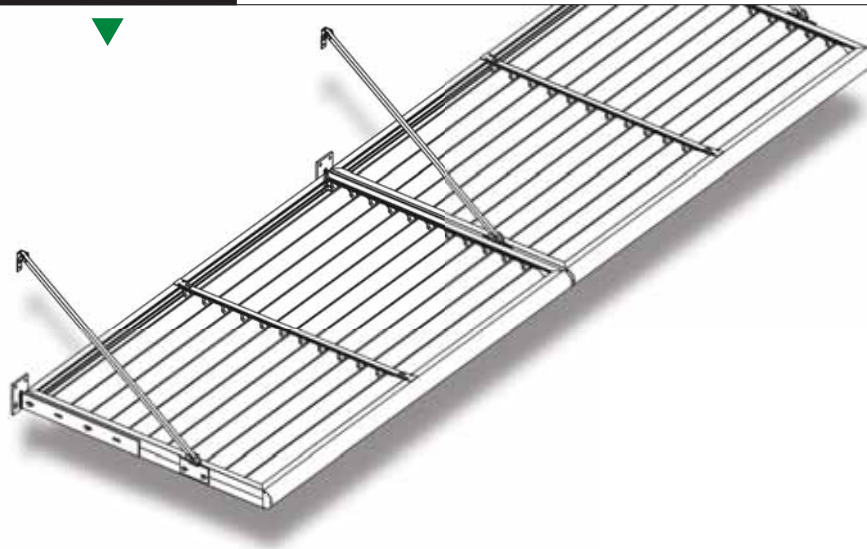
Component	Type	100 C	100 D	
Wall brackets	670/110/160 for inframe 100	x	x	
	specific project or customer dependant wall brackets	x	x	
Rafters	86/95	x	x	
Clips	inframe/intermediate (black or grey)	x	x	
Blades	100 C (standard or punched)	x		
	100 D (standard or punched)		x	
Finishing	With fascia			
	Without strut	Facia 100 semi-circular wall brackets	x	x
	With strut	strut 20/20/3.5 wall bracket 30/100 for strut 20/20/3.5	x	x





DUCOSUN C & D



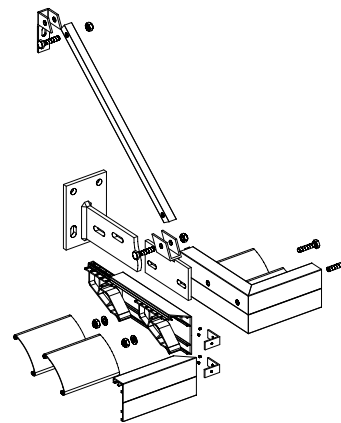
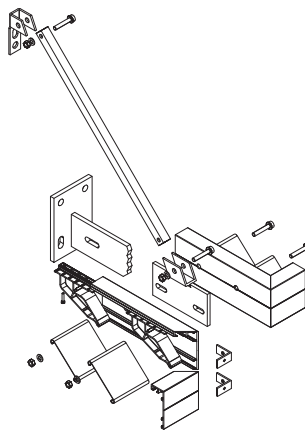


Description

DucoSun 100 C inframe and DucoSun 100 D inframe are permanent external sun control systems with fixed blades, attached in a frame and finished with a flat or bullnose inframe. The use of struts depends on the projection.

Basic components

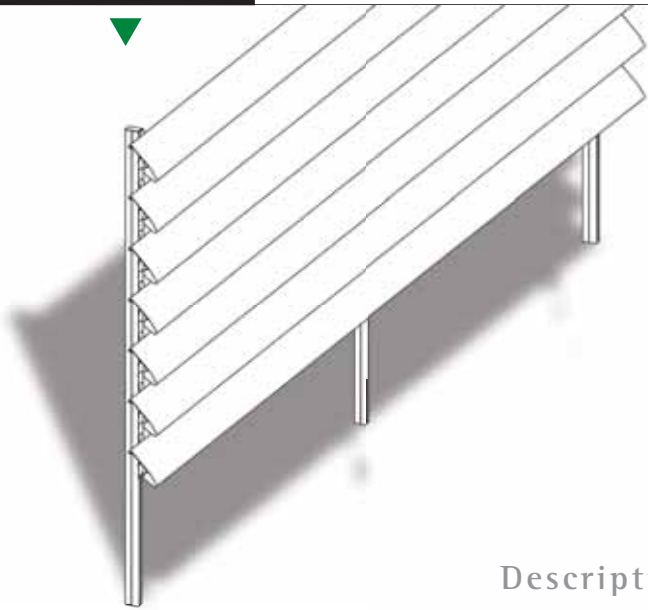
Component	Type	100 C	100 D
Wall brackets	670/110/160 for inframe 100	x	x
	specific project or customer dependant wall brackets	x	x
Inframes	100 flat	x	x
	100 bullnose	x	x
Supports	30/12	x	x
	50/12	x	x
Clips	inframe/intermediate (black or grey)	x	x
Blades	100 C (standard or punched)	x	
	100 D (standard or punched)		x
Finishing	Without strut		
	wall brackets	x	x
	With strut		
	strut 20/20/3.5	x	x
	wall bracket 30/100 for strut 20/20/3.5	x	x
	wall bracket 670/110/160 for inframe	x	x





DUCOSUN C & D



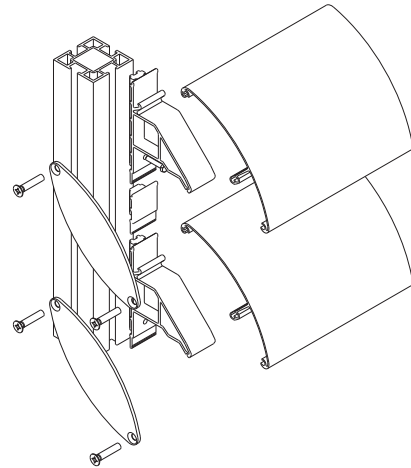
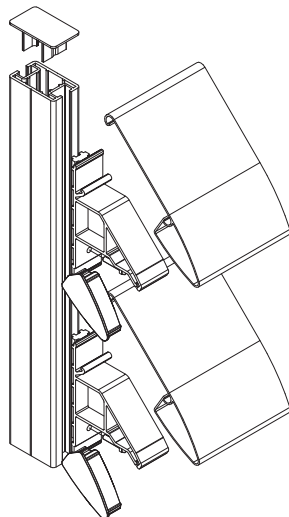


Description

DucoSun 100 C vertical, DucoSun 150 CF vertical, DucoSun 100 D vertical and DucoSun 150 D vertical are permanent external aluminium sun control systems with fixed blades which can be fitted continuously.

Basic components

Component	Type	100 C	150 CF	100 D	150D
Rafters	30/50	x	x	x	x
	30/78	x	x	x	x
	50/12	x	x	x	x
Clips	vertical/overslung (black or grey)	x	x	x	x
Thermoplastic stopper	blade 150 CF		x		x
Coverplate				x	x
Blades	100 C (standard or punched)	x			
	150 CF		x		
	100 D (standard or punched)			x	
	150 D				x
Finishing	rafters thermoplastic stopper for rafter 30/50 (black or grey)	x	x	x	x
	thermoplastic stopper for rafter 30/78 (black or grey)	x	x	x	x





DUCOSUN C & D





DucoSun F

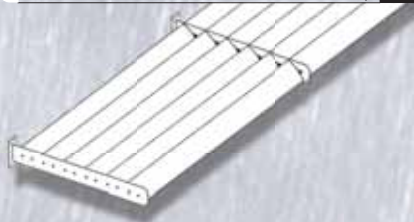
DucoSun F is an external sun control system made from extruded aluminium louvre blades. The sun control system is available as a fixed system (DucoSun F intermediate, DucoSun F Multifit and DucoSun F Unifit) and as a motorised or adjustable system (DucoSun F+). The blades are assembled on site in the construction and a special system allows the individual settings to be changed in different angles, in steps of 5° (15° with Multifit system, 0° and 45° with Unifit system). This provides the best shade over the entire width or height of the building.

The elliptical shape of the blades combines shade and a big span. The many different settings provide a solution for every direction, width and glass surface. DucoSun F ensures a good balance between sun control and light entry without changing the colour of the incident light, prevents glare and considerably reduces solar heat gain, thus ensuring a comfortable indoor climate.

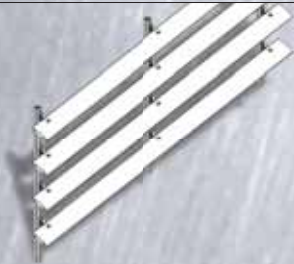
The external DucoSun F is often preferred to internal sun control systems. The heat of the sun is kept out before it hits the glass. Moreover, the elliptical shape diffuses the daylight. The low winter sun provides passive solar energy (maximum energy gain). DucoSun F results in more privacy because a glass facade is shielded but provides nevertheless for an uninterrupted outside view.

DucoSun F is very often used as a design element. The creative system's austere lines add to the architectural aspect of the design. Architects now have a choice in design! DucoSun F is available in all RAL colours, thus allowing interesting shades to be integrated in the architecture.

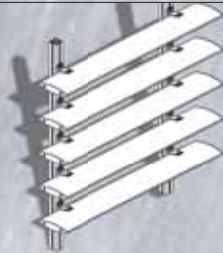
DucoSun F Intermediate p. 18-19



DucoSun F Multifit p. 20-21



DucoSun F Unifit p. 22-23



DucoSun F+ p. 24-25



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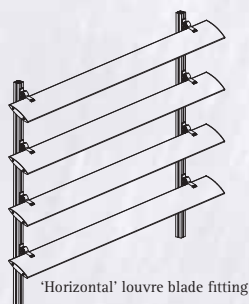
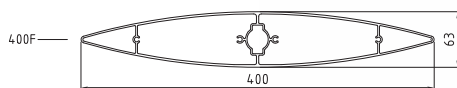
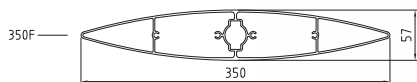
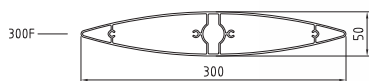
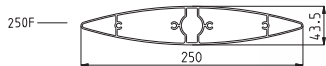
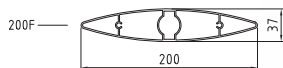
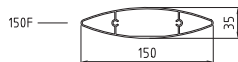
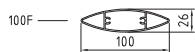


DUCOSUN F

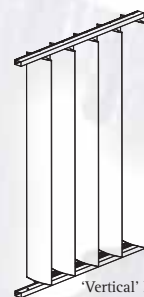


DucoSun, Architectural Sun Control !

Louvre blade fitting

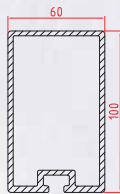


'Horizontal' louvre blade fitting

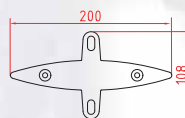


'Vertical' louvre blade fitting

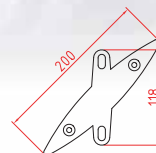
Basic components



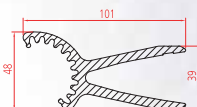
Rafter 60/100



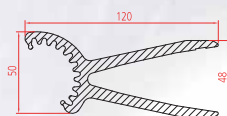
Coverplate 45°



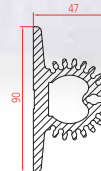
Coverplate 0°



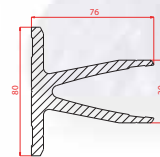
Multifit fork 60/40



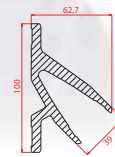
Multifit fork 80/40 (80/80, 80/120)



Multifit base 40 (80,120)



Unifit fork 0°



Unifit fork 45°

Caratteristiche

Aluminium: EN AW - 6063 T66

Surface treatment :

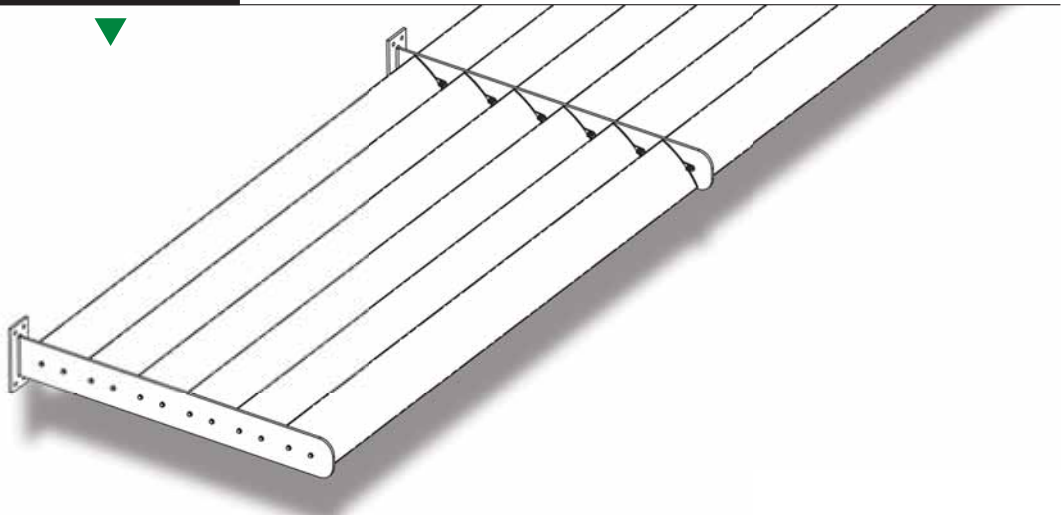
Standard natural anodised (15-20 µm) (VB6/A20/VOM1)

Enamelled polyester powder coating (60-80 µm)



DUCOSUN F

DucoSun F intermediate

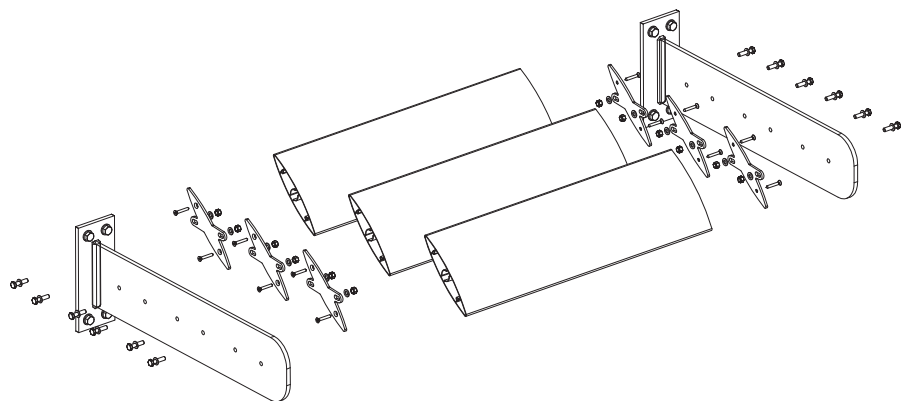


Description

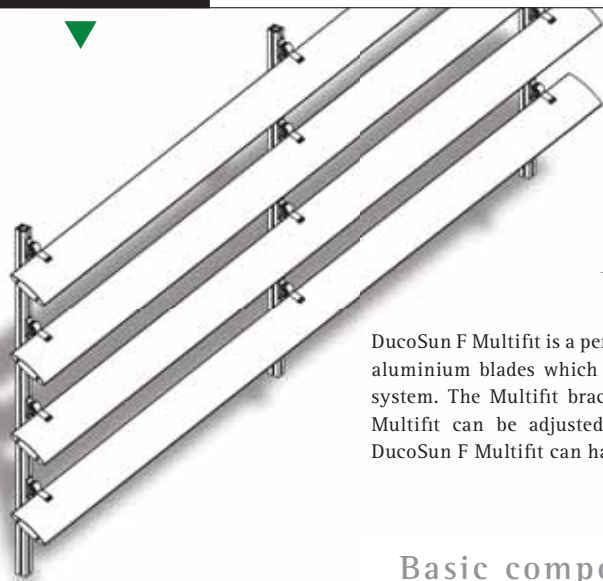
DucoSun F intermediate is a permanent, external sun control system with fixed aluminium blades fitted to coverplates. The pitch and the angle are available as desired. DucoSun F intermediate can have horizontal or vertical louvre blade fitting.

Basic components

Component	Type	Vertical system	Horizontal system
Blades	100 F	x	x
	150 F	x	x
	200 F	x	x
	250 F	x	x
	300 F	x	x
	350 F	x	x
	400 F	x	x
Louvre blade fitting	Horizontal	x	x
	Vertical	x	
Fitting	Coverplate 45°	x	x
	Coverplate 90°	x	x
	Project dependant coverplates	x	x





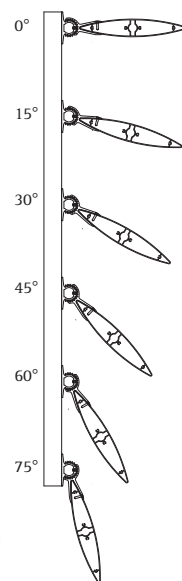
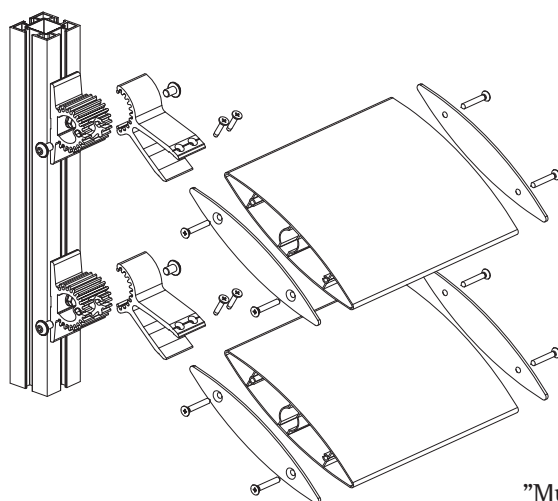


Description

DucoSun F Multifit is a permanent, external sun control system with fixed aluminium blades which are fitted by means of the patented "Multifit" system. The Multifit bracket consists of a base and a fork. DucoSun F Multifit can be adjusted in 11 different positions in 15 increments. DucoSun F Multifit can have horizontal or vertical louvre blade fitting.

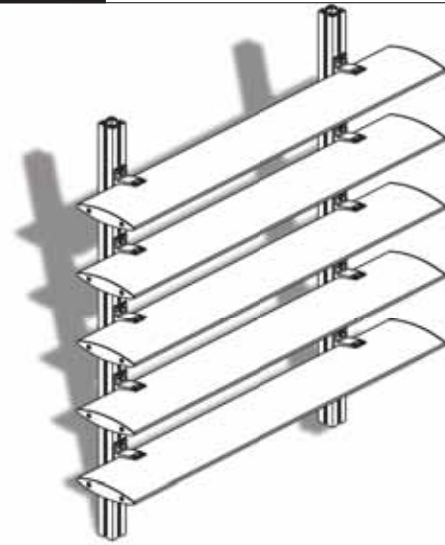
Basic components

Component	Type	Vertical system	Horizontal system
Blades	200 F	x	x
	250 F	x	x
	300 F	x	x
	350 F	x	x
	400 F	x	x
Louvre blade fitting	Horizontal	x	x
	Vertical	x	
Fitting	Fork 60/40 (blade 200 F)	x	x
	Fork 80/40 (blade 300 F)	x	x
	Fork 80/80 (blade 300 F/350 F/400 F)	x	x
	Fork 80/120 (blade 300 F/350 F/400 F)	x	x



"Multifit" system



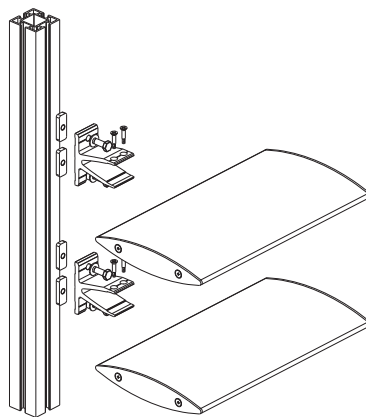


Description

DucoSun F Unifit is a permanent, external sun control system with fixed aluminium blades which are fitted by means of the 'Unifit' system. This system has 'fixed' forks. The blades are assembled on site in the construction in angles of 0° or 45°. DucoSun F Unifit can have horizontal or vertical louvre blade fitting.

Basic components

Component	Type	Vertical system	Horizontal system
Blades	200 F	x	x
	250 F	x	x
	300 F	x	x
Louvre blade fitting	Horizontal	x	x
	Vertical	x	
Fitting	Unifit 200F 40mm 0°	x	x
	Unifit 200F 40mm 45°	x	x
	Unifit 200F 40mm 0°	x	x
	Unifit 250F-300F 40mm 0°	x	x
	Unifit 250F-300F 40mm 45°	x	x





DUCOSUN F



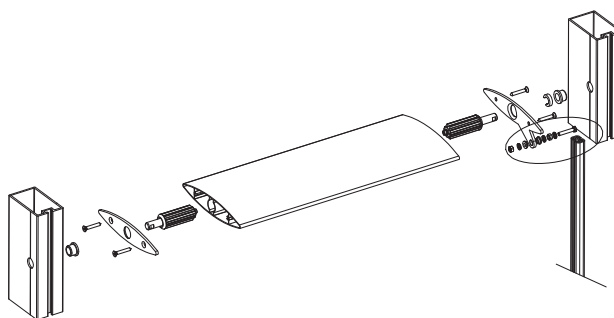


Description

DucoSun F+ is a permanent, external sun control system with movable blades. The spring-taps allow for clearance a small distance between the blade and the support construction. DucoSun F+ can have horizontal or vertical louvre blade fitting.

Basic components

Component	Type	Vertical system	Horizontal system
Rafters	60/100	x	x
Blades	200 F	x	x
	250 F	x	x
	300 F	x	x
	350 F	x	x
	400 F	x	x
Louvre blade fitting	Horizontal	x	x
	Vertical	x	
Fitting	Spring-tap	x	x
	Standard cover plates	x	x
	Project dependant cover plates	x	x
	Electrical linear drive motor	x	x



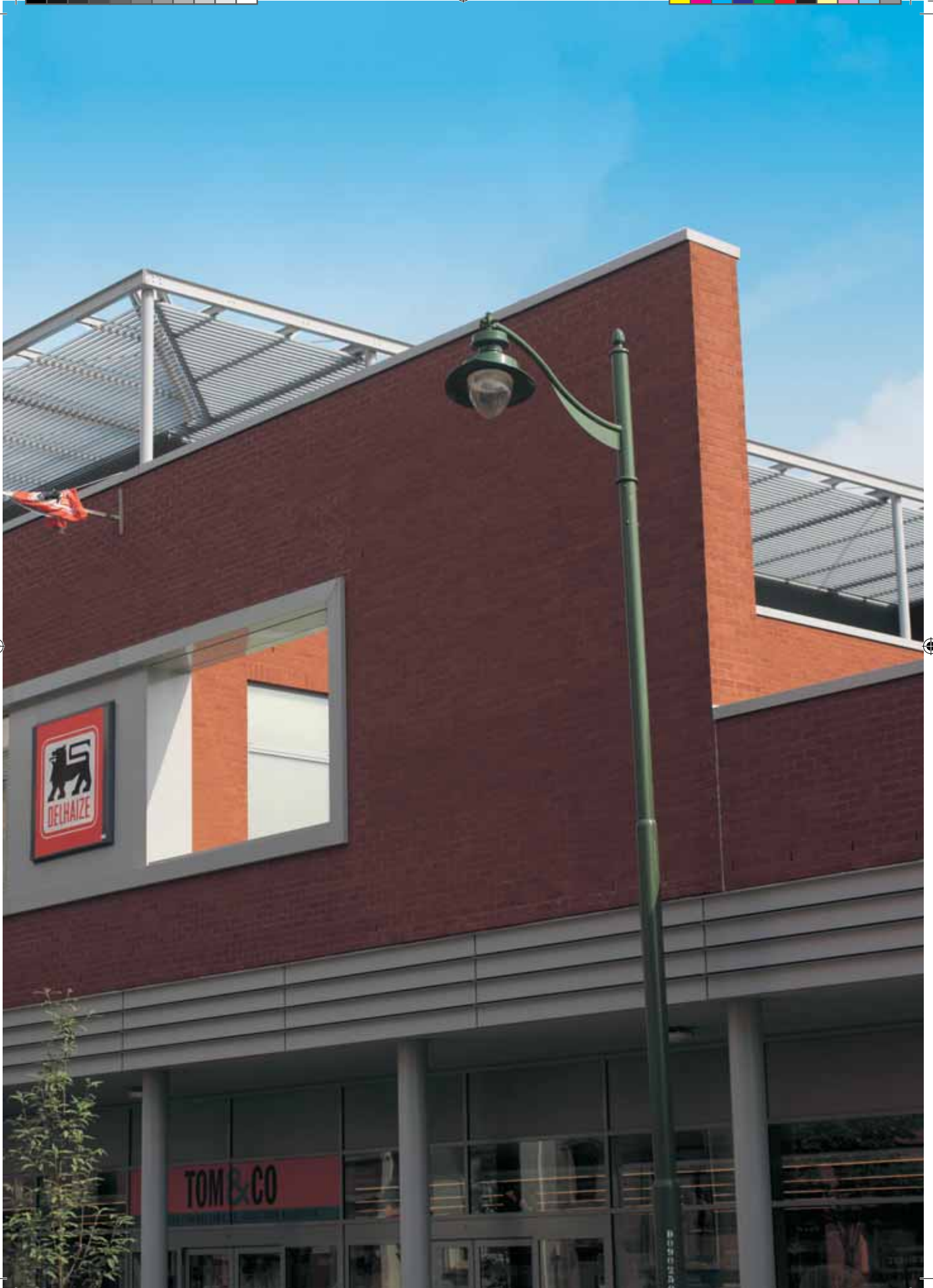




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DucoSlide 60 F

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DucoSlide 60 F LuxFrame

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DucoSlide 100 D

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DucoSlide

DucoSlide 60 F, DucoSlide 60 F LuxFrame and DucoSlide 100 D are external Sun Control systems with aluminium sliding panels which reduce the Solar Heat Gain and Solar Glare whilst optimising daylight entry. DucoSlide results in more privacy because a glass façade is shielded but provides nevertheless for an uninterrupted outside view. Combined with natural ventilation DucoSlide helps to provide a healthy, comfortable and energy efficient indoor climate.

DucoSlide is an architectural system which can be guided in different ways. It is specifically designed to apply the sliding panels with different guiding systems in the same façade without disrupting its sight. The panels are quick and easy to assemble with a minimum of tools.

Please consult our specialized distributors or the project department of Duco 'Ventilation & Sun Control' for commercial and technical assistance (optimal setting, calculations, specifications, assembly instructions, part lists, ...). Tel. +32-58 33 00 66, fax +32-58 33 00 67, info@duco.eu. Specifications and drawings can be downloaded from www.duco.eu

Most of the products in this catalogue are patented and registered design applied for.

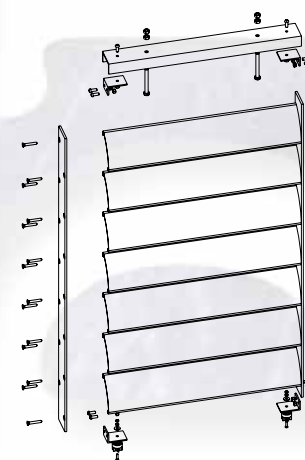
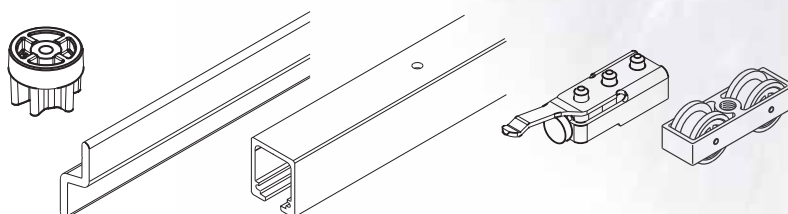
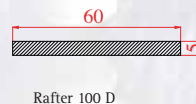
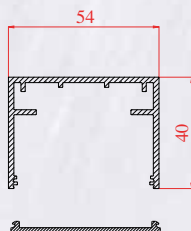
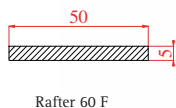
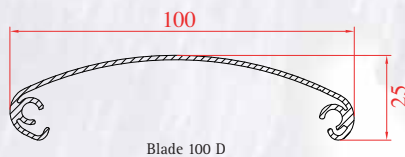
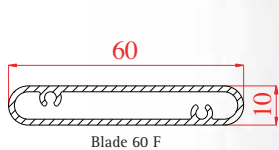


DucoSlide



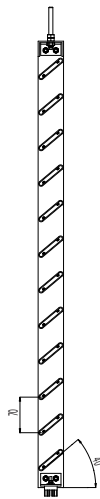
DucoSlide, Architectural Sun Control !

Basic components



Description

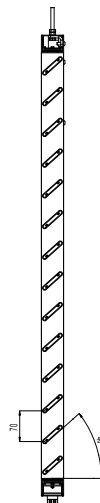
DucoSlide 60 F is an external Sun Control system with aluminium sliding panels, assembled with "slim" rafters. Manual or motorised control.



DucoSlide 60 F LuxFrame

Description

DucoSlide 60 F LuxFrame is an external Sun Control system with aluminium sliding panels, assembled with "standard" rafters which conceal the screws. Manual or motorised control.

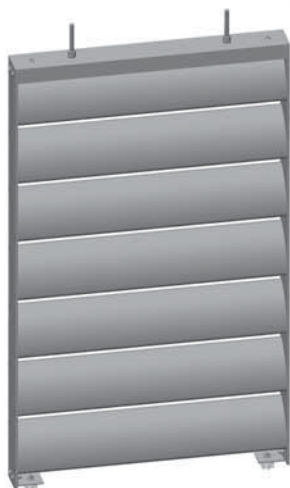
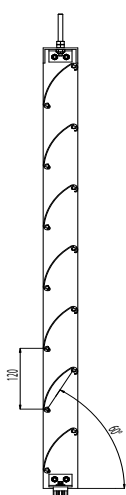


DucoSlide 100 D

DucoSlide

Description

DucoSlide 100 D is an external Sun Control system with aluminium sliding panels, assembled with "slim" rafters. Manual or motorised control.



Characteristics

- Material : Aluminium Al Mg Si 0,5
- Surface treatment :
 - Standard natural anodised (15-20 µm) (VB6/A20/VOM1)
 - Enamelled polyester powder coating (60-80 µm)
- All RAL colours are available
- Manual or motorised control

DucoSlide	60 F	60 F LuxFrame	100 D
Blade	60 F	60 F	100 D
Width of the frame (around)	5mm	40mm	5mm
Depth of the frame (around)	50mm	54mm	60mm
Maximal dimensions (w x h)	1600 x 3500mm	1600 x 3500mm	1600x3500mm

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