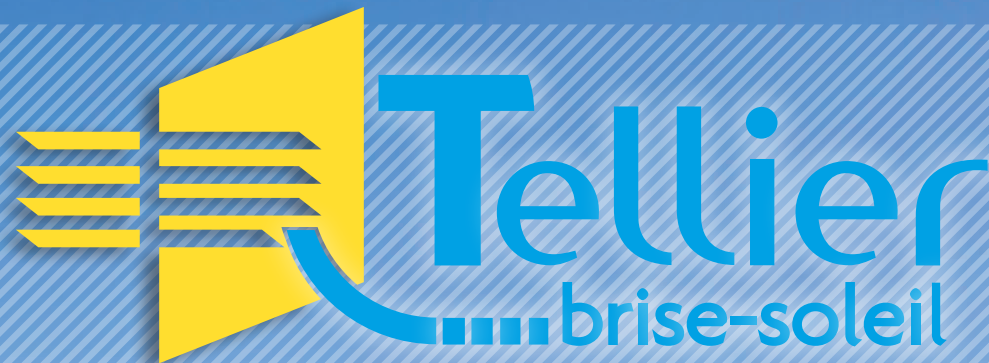


Bâtiment de direction du CHU - POTTERS (86) | Architecte - Bureau & Gonzalez | Pose : BGN | Photographie : Sergio Grazia

2018 - 2019



PROTECTION SOLAIRE | HABILLAGE DE FAÇADE | VENTILATION NATURELLE

Solar-Shading Systems / Facade Cladding / Natural Ventilation

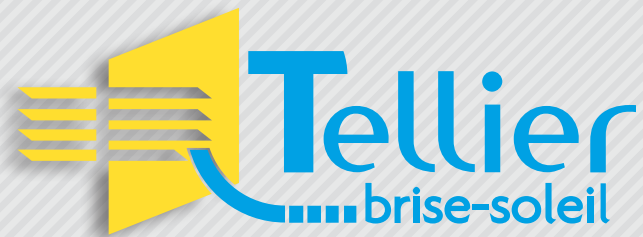
www.tellierbrisesoleil.com

Ensuring natural light and thermal comfort; protecting the building from direct solar radiation; enhancing the building's environment, **these are the goals of TELLIER Brise-Soleil.**



Sports hall, REZÉ (44)

Architects : Chaix & Morel & Associates | Installation : Groupe Briand



Created in 2004, TELLIER Brise-Soleil is a company specializing in sun shading systems (fixed or movable), facade cladding, facade louvers, ventilation grids and shutters.

Equipped with high-performance industrial facilities, we provide a strong expertise to offer you the most efficient solutions. We assist you at each step of your project: quotes, feasibility studies, calculation notes, conception, plan implementation, manufacturing and delivery on site; a turnkey service guaranteeing the proper implementation of your project from conception to the delivery of your products.

From solar-shading systems to sliding shutters, our range of products keep evolving. A modern design to provide you with a high-quality equipment in accordance with the highest requirements.

With more than 15 years of experience, TELLIER Brise-Soleil are industry renowned experts in the fields of solar-shading, facade cladding and natural ventilation.

Finally, our commercial team and our technical department are at your full disposal to work alongside you to design the most suitable solution for your projects.

AT TELLIER BRISE-SOLEIL, YOUR PRIORITIES ARE OUR PRIORITIES.

SOLAR-SHADING SYSTEMS | FACADE CLADDING | NATURAL VENTILATION



All rights reserved.

Any partial or total reproduction is strictly forbidden. Pictures, diagrams, and blueprints are non-contractual. TELLIER Brise-Soleil reserves the right to modify the characteristics of its products at any time in order to incorporate the latest technological developments.

INTRODUCTION TO THE SUN PROTECTION SYSTEMS

A BIOCLIMATIC SOLUTION

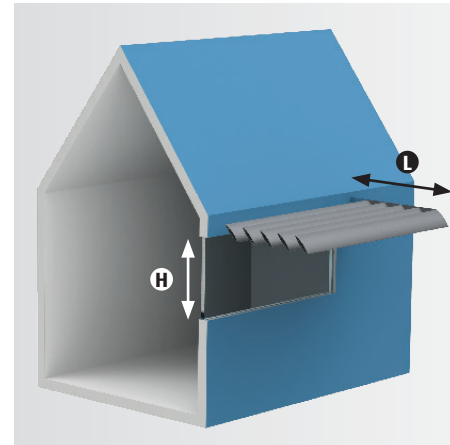
Solar-shading systems are being used more and more within the conception of buildings labelled «High Quality Environmental standard)» (HQE) or «Low Consumption Building» (BBC).

DEFINITION

- › Brise-Soleil is an external device, fixed or movable, limiting the effects of direct solar radiation on glass facades. It is an architectural element used to reduce discomfort resulting from the sun rays.
- › A natural source of heat during winter, solar radiation can become an issue during summer if it is not properly managed. Sun protection systems play a major role by cutting solar radiation before it goes through the glass window and over-heats internal spaces; The installation of Brise-Soleil protects your building from excessive heat and provides an economic, efficient, aesthetic and environmentally friendly solution.

TYPES OF PROTECTION

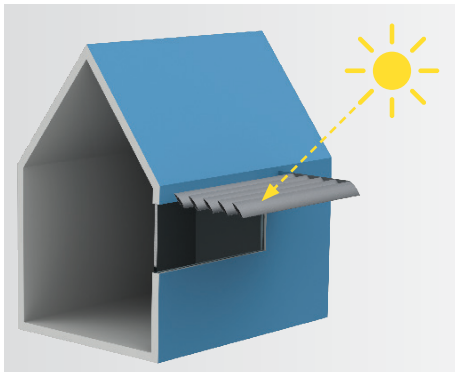
- › For each configuration, one type of Brise-Soleil must be identified.
- › Especially in south facing facades, horizontal structural sun protection offers an ideal solution. During the summer, with the high position of the sun, they offer protection against overheating. During winter, when the sun is low, they allow the heat into the building. In addition this structural sun protection is very maintenance friendly.
- › Especially in east and west facing facades, vertical structural sun protection stops solar radiation when the sun is low in the sky. They can be movable to maximize the heat input during winter. With these solutions the occupants can adjust its position as they wish.



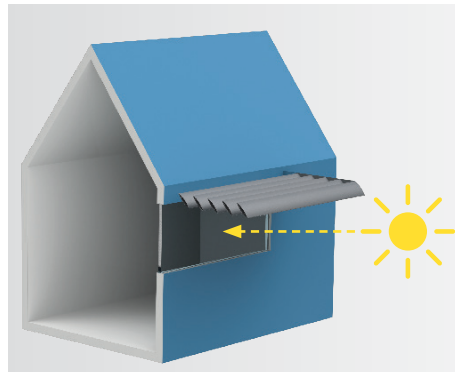
DIMENSIONING BRISE-SOLEIL

- › Notice: fixed and movable Brise-Soleil must be designed to ensure an optimal sun protection and prevent overheating effects in summer without affecting the solar radiation inputs in winter.
- › When designing a Brise-Soleil, we must take into account: the variable position of the sun, orientation of the façade, dimensions of the glazing to protect and your requirements regarding light management.

Orientation of the facade :	SE 30°	SE 15°	S 0°	SW 15°	SW 30°
Recommended overhang	L = 0,77xH	L = 0,55xH	L = 0,48xH	L = 0,55xH	L = 0,77xH



Summer Sun



Winter Sun

ADVANTAGES OF SUN PROTECTION SYSTEMS

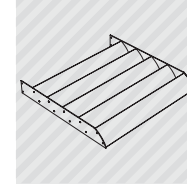
- + LIMIT OVERHEAT EFFECTS WITHOUT REDUCING HEAT INPUTS DURING WINTER
- + PREVENT GLARING EFFECTS
- + REINFORCE INSULATION
- + REDUCE ENERGY CONSUMPTION
- + ENHANCE THE FACADE DESIGN

FROM A **TAILOR-MADE** STUDY, TO A **READY-TO-INSTALL** PRODUCT !

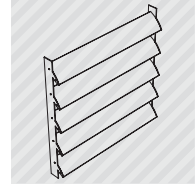
INDEX

AZUR
Brise-Soleil with
aerofoil blades

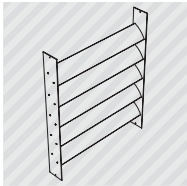
06-23



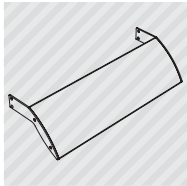
p. 10
Cassette system



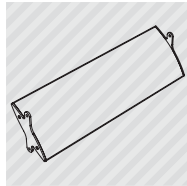
p. 11
Comb end plates



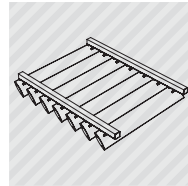
p. 11
Flat end plates



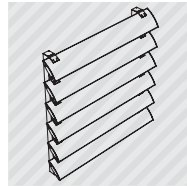
p. 12-13
Brackets



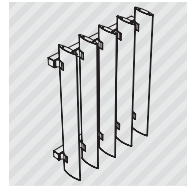
p. 14-15
90° Direct End Fixing Plate



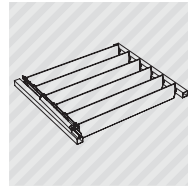
p. 16-17
Projecting Speed Fix



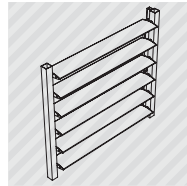
p. 18-19
Horizontal Speed Fix



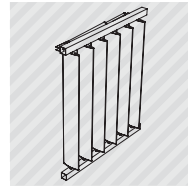
p. 18-19
Vertical Speed Fix



p. 20-23
Projecting movable blades



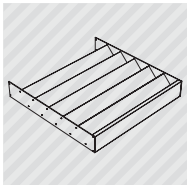
p. 20-23
Horizontal movable blades



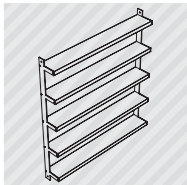
p. 20-23
Vertical movable blades

RECTI' LIGNE
Brise-Soleil
with rectangular
blades

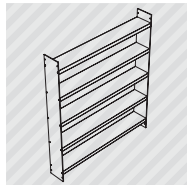
24-43



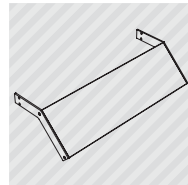
p. 30
Cassette system



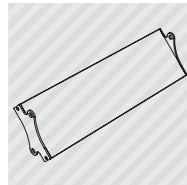
p. 31
Comb end plates



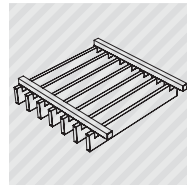
p. 31
Flat end plates



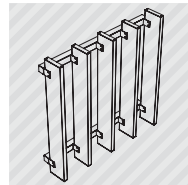
p. 32-33
Brackets



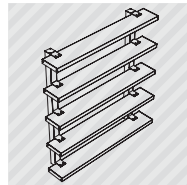
p. 34-35
90° Direct End Fixing Plate



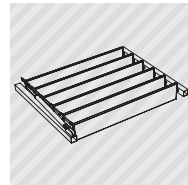
p. 36-37
Projecting Speed Fix



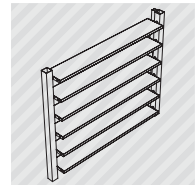
p. 38-39
Vertical Speed Fix



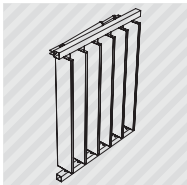
p. 38-39
Horizontal Speed Fix



p. 40-43
Projecting movable blades



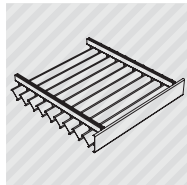
p. 40-43
Horizontal movable blades



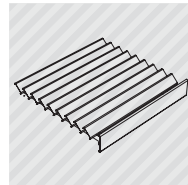
p. 40-43
Vertical movable blades

CANICULE
Brise-Soleil Clip
blades

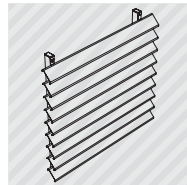
44-57



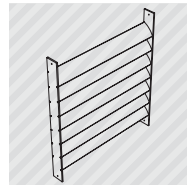
p. 48-51
PH blades suspended



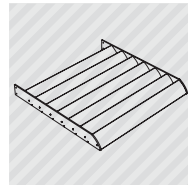
p. 52-53
PH blades on top



p. 54-55
PV Interlocking blades



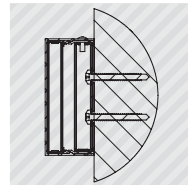
p. 56
Flat end plates



p. 57
Cassette system

**HARMONIE
FAÇADE**
Decorative
blades

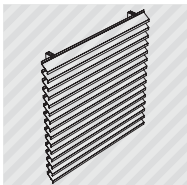
58-63



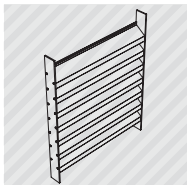
p. 62-63
Front mount

FAÇAD' LIGNE
Vents
cladding

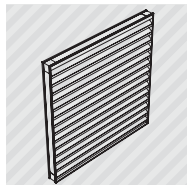
64-73



p. 68-69
Interlocking louvres



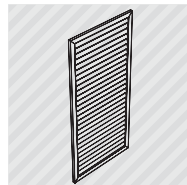
p. 70-71
Louvres with end plates



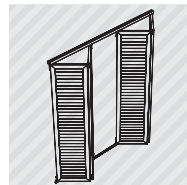
p. 72-73
Ventilation grids

VARANGUE
Shutter or
louvered shutter

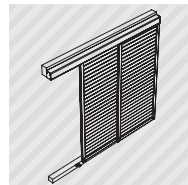
74-83



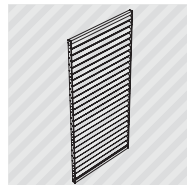
p. 78-79
Fixed Austral Shutter



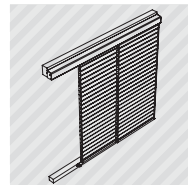
p. 78-79
Flexible Austral Shutter



p. 78-79
Sliding Austral Shutter



p. 80-81
Fixed Boreal Shutter



p. 82-83
Sliding Boreal Shutter

ANNEXES
Plans
et diagrams

84-98

RANGE

AZUR

- › An ideal solution for solar protection for the building envelope. Our Azur range is designed to protect from the solar radiations. Our Brise-Soleil enable you to reduce your energy consumption, protect from glaring effects (without blocking the view to the outside when installed horizontally) and limit summer overheating effects without affecting the winter solar radiation input. Our movable version (motorized or manual) gives you the ability to adjust their position to suit your needs. It is therefore a simple and aesthetic solution to efficiently protect your building from excessive heat.
- › Beyond their functional aspect, our Azur Brise-Soleil are a nice way to enhance your façade aesthetics. A modern design with their aerofoil blades, they represent the epitome of Brise-Soleil. Timeless, they will blend into any architectural style of

building.

- › Finally, to provide you with a wide choice, our range of aerofoil blades offer a large array of finishing options (anodized, powder-coated, wood finishing, etc.).

Available configurations: horizontal installation, vertical installation with vertical blades or horizontal blades.

KEY FEATURES

- + EASY ADAPTATION ON ALL TYPE OF FACADES
- + MULTIPLE APPLICATIONS & INSTALLATION TECHNIQUES
- + OPTIONS: MOVABLE BLADES
- + CURVED APPLICATION
- + NUMEROUS FINISHES AVAILABLE



European High School, NOISY LE GRAND (93)

Architect : 234 Architectes | Installation : Le Port Christian | Picture : Luc Boegly



RANGE

AZUR

DESCRIPTION

- Our Brise-Soleil provides you with a large range of aerofoil blades. Sturdy and performant, they are part of fixed or movable Brise-Soleil and can be adjusted on any type of facades.
- Blades our Azur range are monobloc profiles (except for AS600x70 made in 2 sections) with an ovoid «aerofoil» shape, in extruded aluminum. They are mainly used for: Brise-Soleil, screen and facade cladding. Available in 13 different sections.

Other shapes and sections, upon request.

MATERIAL

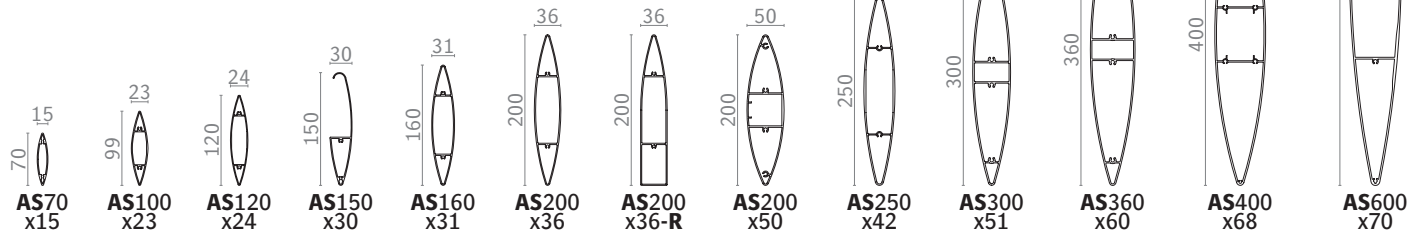
- Blades: Aluminum 6060 T6, extruded (N573-3);
- Supports: Aluminum or stainless steel.

Stainless steel screws & bolts.

FINISHING

- Powder-coating following RAL color chart (60-80 microns);
- Powder-coating wood effect (60-80 microns);
- Anodized (20 microns).

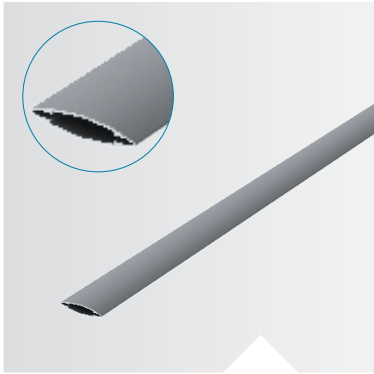
Our finishing options are certified: Qualicoat., Qualimarine, Qualideco and Qualanod.



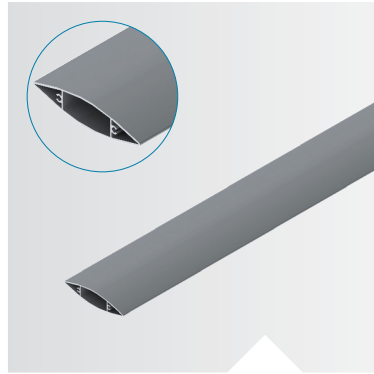
Type of blade:	AS70 x15	AS100 x23	AS120 x24	AS150 x30	AS160 x31	AS200 x36	AS200 x36-R	AS200 x50	AS250 x42	AS300 x51	AS360 x60	AS400 x68	AS600 x70
Section (mm)	70x15	99x23	120x24	150x30	160x31	200x36	200x36	200x50	250x42	300x51	360x60	400x68	600x70
Perimeter (mm)	146	207	249	368	329	413	441	421	518	618	740	823	1631
Weight (gr/ml)	675	991	1059	1148	1623	2037	2218	2827	3127	4264	5034	6590	10618
Section modulus ix (cm ⁴)	0,6	1,8	2,4	3,5	6,4	11,2	15,8	28,2	25,5	44,1	74,4	142,3	232,3
Section modulus iy (cm ⁴)	10,7	27,8	45,2	79,2	120,6	227,8	278,9	302,8	563,4	1106,5	1883,5	2842,3	9746,8



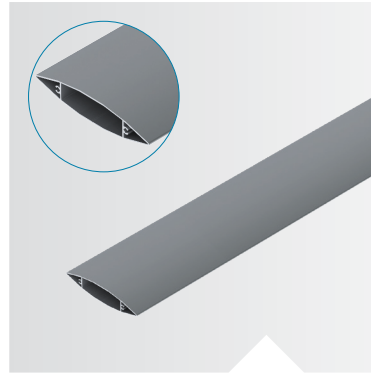
DISCOVER OUR RANGE OF BRISE-SOLEIL WITH **AEROFOIL BLADES**:



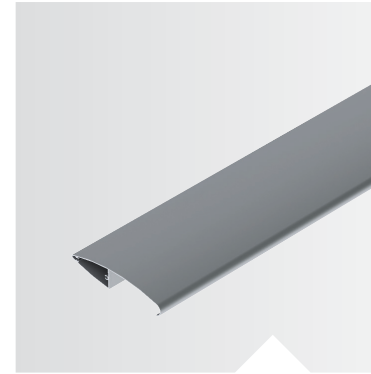
AS70x15



AS100x23



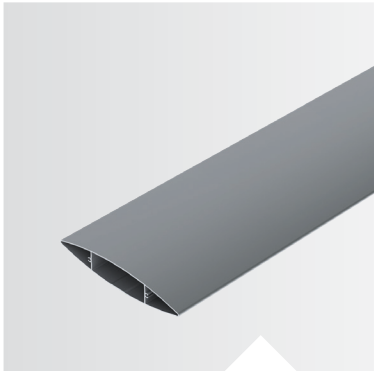
AS120x24



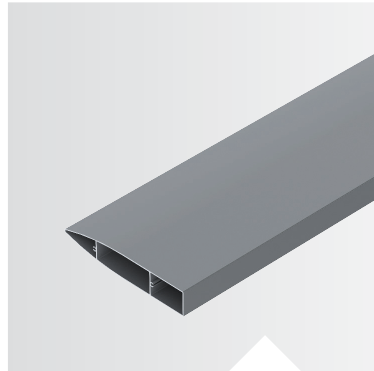
AS150x30



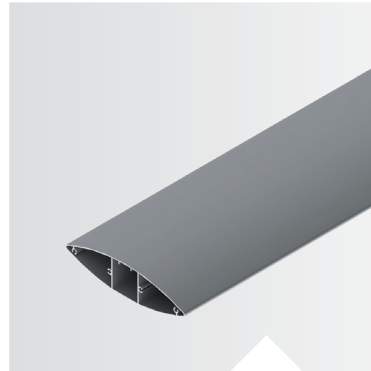
AS160x31



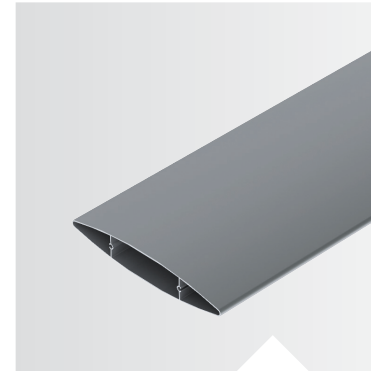
AS200x36



AS200x36-R



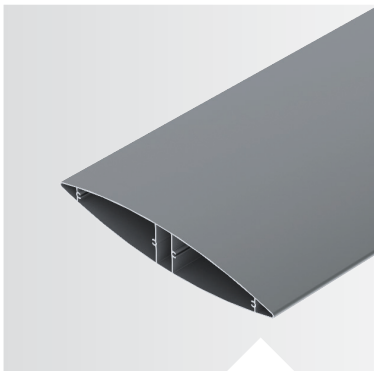
AS200x50



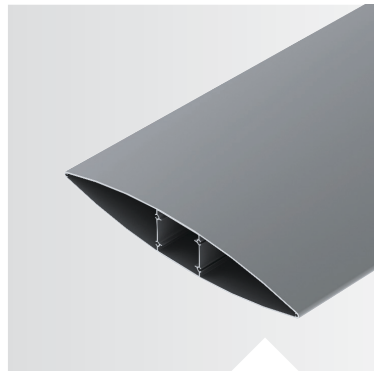
AS250x42



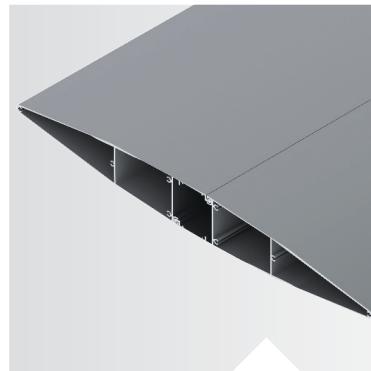
AS300x51



AS360x60



AS400x68



AS600x70

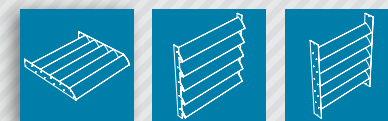


LakanaL, ANGERS (49)

Architect : Logeais & Associés | Installation : Brault SARL



Download our documentation on
www.tellierbrisesoleil.com.



BRISE-SOLEIL AZUR

COMPOSITION

Azur Brise-Soleil (applied in cassette or between comb or flat end plates) is composed of:

- › Blades' flanges : cassette system, comb end plates, flat end plates;
- › Ovoid «aerofoil» shape of blades.

Dimensions of the mounting flanges are confirmed after design (thickness and material).

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

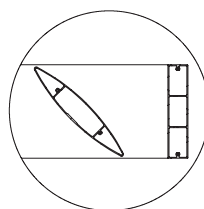
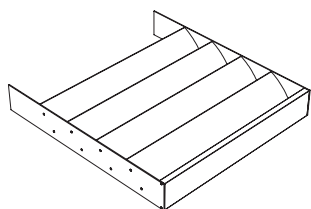
Application with cassette system, or between flat or comb end plates provides a simple and quick way to install your Brise-Soleil:

- › The blades are screwed between mounting flanges;
- › The modules are to be fixed on the facade (brackets in stand-by position, folded return, between structural supports, etc.);

Modules are delivered pre-assembled upon request.



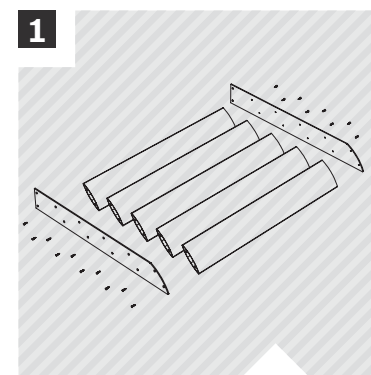
Car dealer shop Cl. Fournis Automobiles,
HEROUVILLE SAINT CLAIR (14)
Installation: Mestal



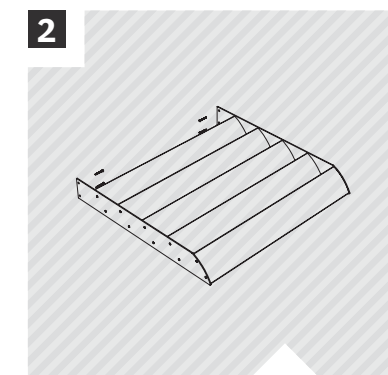
Option : For an application between brackets, a fascia profile can be integrated.

Max. span (in mm) :	AS70 x15	AS100 x23	AS120 x24	AS150 x30	AS160 x31	AS200 x36	AS200 x36-R	AS200 x50	AS250 x42	AS300 x51	AS360 x60	AS400 x68
Blade at 0°	1800	2200	2200	2250	2890	3270	3270	4200	4000	4240	5100	5200
Blade at 45°	1940	2500	2500	2550	3290	3670	3670	4800	4500	4800	5700	6000

Calculated for wind load 1050 Pa.
Other pressures available upon request.



1
SCREW THE BLADES BETWEEN THE END PLATES



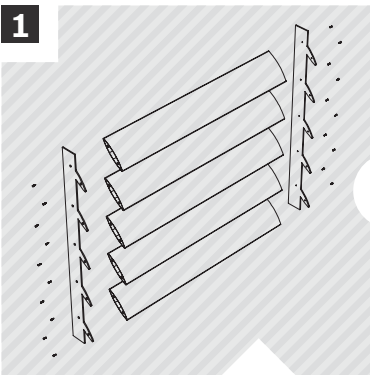
2
FIX THE ASSEMBLY TO THE FACADE

Depending on the overhang, cassettes can be equipped with strain cables or braces - see p. 89.

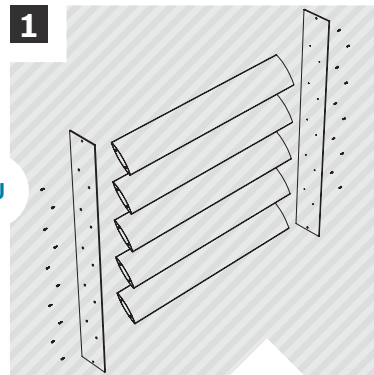
DISCOVER SOME OF OUR **PROJECTS**:



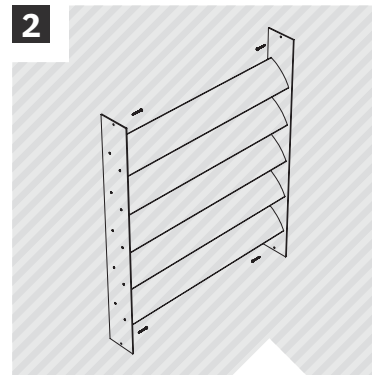
Gymnasium and martial arts dojo Jeanne d'Arc, REIMS (51)
Architect: BLP architectes | Installation: SMAC



SCREW THE BLADES BETWEEN THE COMBS END PLATES



SCREW THE BLADES BETWEEN THE FLAT END PLATES



FIX THE ASSEMBLY TO THE FACADE



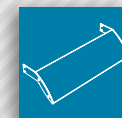
AZUR



Middle School Montesquieu, ORLÉANS (45)
Architect: Crea'ture architecte | Installation: Bernardi



Download our documentation on
www.tellierbrisesoleil.com.



BRISE-SOLEIL AZUR

COMPOSITION

Azur Brise-Soleil (applied between brackets) is composed of:

- › Blades' flanges: brackets;
- › Ovoid «aerofoil» shape of blades.

Dimensions of the mounting flanges are confirmed after design (thickness and material).

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

For blade expansion, we have braces - see p. 91.

APPLICATION

Application between brackets provides a simple and quick way to install your Brise-Soleil:

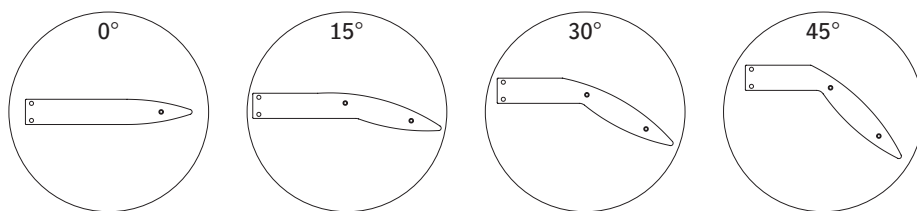
- › The blades are screwed between the mounting flanges;
- › The modules are fixed on the facade (brackets in stand-by position, folded return, between structural supports, etc.);
- › Assembly at the customer's charge.

This application type enables installation blade by blade.



Parc des expositions, ANGERS (49)

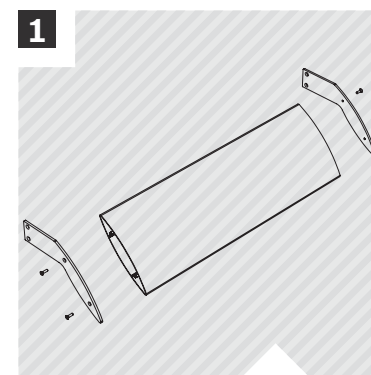
Architect: Atelier Roland & Associés | Installation: Miroiterie de l'ouest



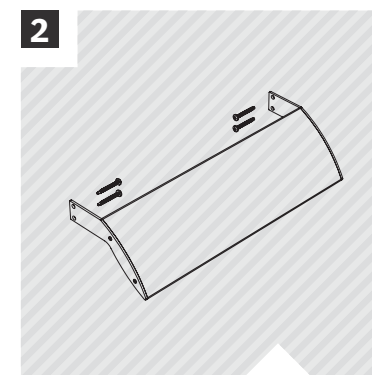
Other angles upon request.

Max. span (in mm) :	AS70 x15	AS100 x23	AS120 x24	AS160 x31	AS200 x36	AS200 x36-R	AS200 x50	AS250 x42	AS300 x51	AS360 x60	AS400 x68	AS600 x70
Blade from 0° to 15°	1800	2200	2200	2890	3270	3270	4200	4000	4240	5100	5200	5200
Blade from 30° à 45°	1940	2500	2500	3290	3670	3670	4800	4500	4800	5700	6000	6000
Vertical blade	2000	2900	3000	3900	4000	4000	5500	5000	5500	6500	6900	6900

Calculated for wind load 1050 Pa.
Other pressures available upon request.



1 SCREW THE BLADES BETWEEN THE BRACKETS



2 FIX THE ASSEMBLY ON THE FACADE



DISCOVER SOME OF OUR **PROJECTS**:



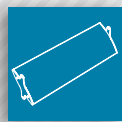
Headquarters RTE, LA CHAPELLE SUR ERDRE (44)
Architect: Patriarche & Co | Installation: Girard Hervouet



UFR Médecine, NANTES (44)
Architect: Jean-Pierre Lott | Installation: Girard Hervouet

High School Chevrollier, ANGERS (49)
Architect: Logerais & Associates | Installation: SAS
Adrion





BRISE-SOLEIL AZUR

COMPOSITION

Azur Brise-Soleil (applied between 90° direct end fixing plates) is composed of:

- › Blades' flanges: 90° direct end fixing plates;
- › Ovoid «aerofoil» shape of blades.

Dimensions of the mounting flanges are confirmed after design (thickness and material).

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

For blade expansion, we have braces - see p. 91.

APPLICATION

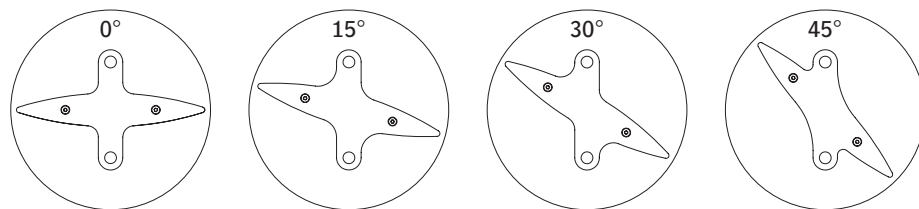
Application between 90° direct end fixing plates provides a simple and quick way to install your Brise-Soleil :

- › The blades are screwed between the mounting flanges;
- › The modules are to be fixed on the facade (brackets in stand-by position, folded return, between structural supports, etc.) ;
- › Assembly at the customer's charge.

This application type enables installation blade by blade.



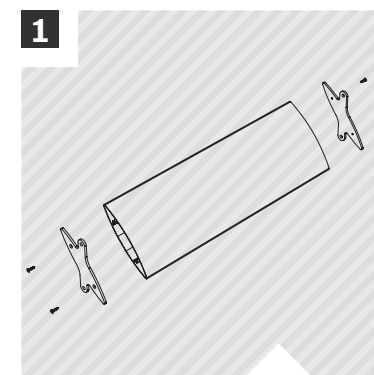
Center «Le Val Fleuri», COËX (85)
Installation: Serrurerie Bouron René



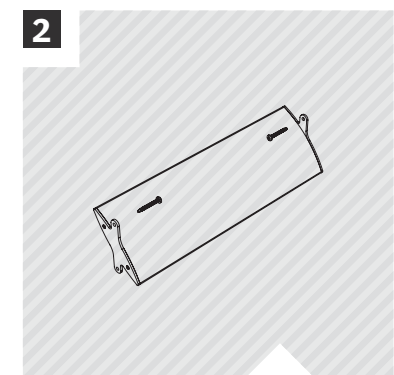
Other angles upon request.

Max. span (in mm) :	AS70 x15	AS100 x23	AS120 x24	AS160 x31	AS200 x36	AS200 x36-R	AS200 x50	AS250 x42	AS300 x51	AS360 x60	AS400 x68	AS600 x70
Blade from 0° to 15°	1800	2200	2200	2890	3270	3270	4200	4000	4240	5100	5200	5200
Blade from 30° à 45°	1940	2500	2500	3290	3670	3670	4800	4500	4800	5700	6000	6000
Vertical blade	2000	2900	3000	3900	4000	4000	5500	5000	5500	6500	6900	6900

Calculated for wind load 1050 Pa.
Other pressures available upon request.



1 SCREW THE BLADES BETWEEN THE 90° DIRECT END FIXING PLATE



2 FIX THE ASSEMBLY ON THE FACADE



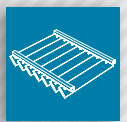
DISCOVER SOME OF OUR **PROJECTS**:



Mall Cap 3000, ST-LAURENT-DU-VAR (06)
Architect: Groupe 6 | Installation: Groupe Briand



Middle School HOMBourg HAUT (57)
Architect: Denu-Paradon | Installation: MTI



BRISE-SOLEIL

AZUR

COMPOSITION

Azur Brise-Soleil (applied with Speed Fix) is composed of:

- › Hinge brackets or braces with strain cable, see p. 88 - 89;
- › Support profiles with braces, see p. 89;
- › Blade support: Speed Fix at 45° or 90°, see p. 92;
- › Ovoid «aerofoil» shape of blades;
- › Caps;
- › End caps or fascia profile.

Type of support are confirmed after design.

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

Application with Speed Fix provides a simple and quick way to install your Brise-Soleil:

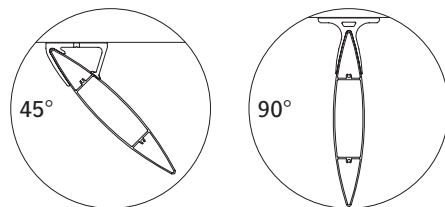
- › Caps are screwed at the ends of the blades;
- › The brackets equipped with blade supports Speed Fix (delivered pre-assembled) are fixed to the facade;
- › Blades are drilled and riveted to the blade supports Speed Fix (powder-coated rivets supplied);

Speed Fix can be provided without brackets to be directly fixed to the facade or structural support, see p. 93.

Depending on the overhang, cassettes can be equipped with strain cables or braces - see p. 89..

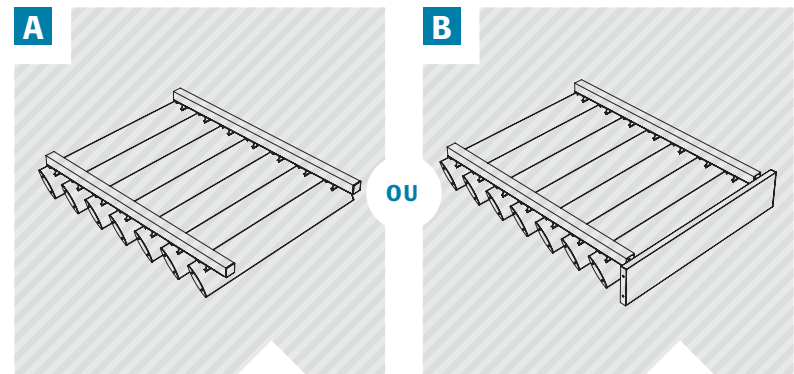


Workshop, CUGAND (44)
Installation: Girard Hervouet



Max. span (in mm) :	AS100 x23	AS120 x24	AS150 x30	AS160 x31	AS200 x36	AS200 x36-R	AS250 x42	AS300 x51	AS360 x60	AS400 x68
Blade at 45°	2000	2350	2400	2900	3200	3200	3400	3500	3500	3500

Calculated for wind load 1050 Pa.
Other pressures available upon request.



HORIZONTAL INSTALLATION WITHOUT FASCIA PROFILE

HORIZONTAL INSTALLATION WITH FASCIA PROFILE

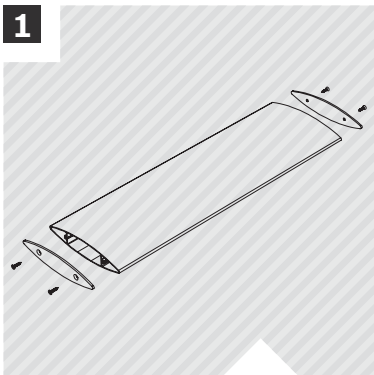
A fascia profile can be selected from our full range of Brise-Soleil blades (Azur, Recti'Ligne and Canicule).

DISCOVER SOME OF OUR **PROJECTS**:

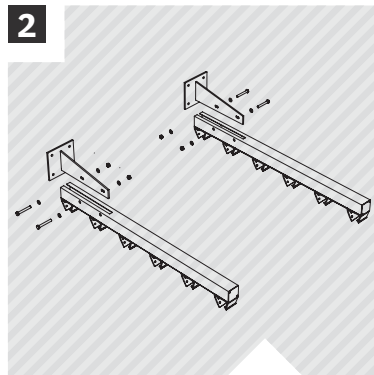


AZUR

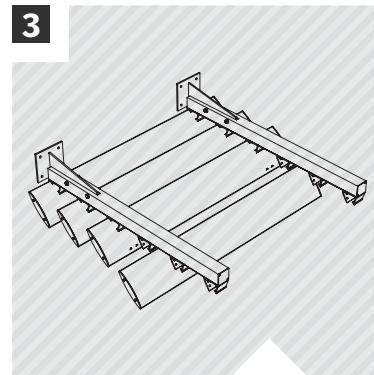
Le Quadra, NICE (06)
Architect: Les Architectes Côte-d'Azur | Installation: Tramontin & Fils



1
SCREW THE CAPS



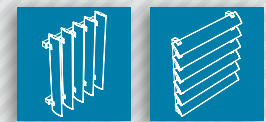
2
SCREW THE BRACKETS ON THE
TREAD PLATES



3
PLACE THE BLADE IN THE
SPEED FIX, DRILL AND RIVET



Download our documentation on
www.tellierbrisesoleil.com.



BRISE-SOLEIL

AZUR

COMPOSITION

Azur Brise-Soleil (applied with Speed Fix) is composed of:

- › Support profiles with braces and caps, see p. 89;
- › Blades' support: Speed Fix at 45° or 90°, see p. 92;
- › Ovoid «aerofoil» shape of blades;
- › Caps.

Type of support are confirmed after design.

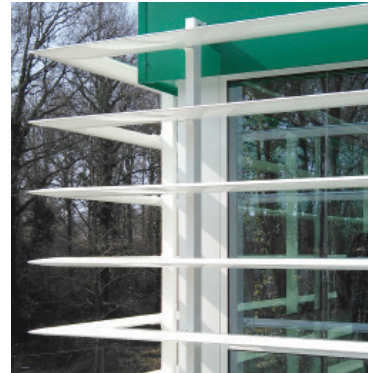
Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

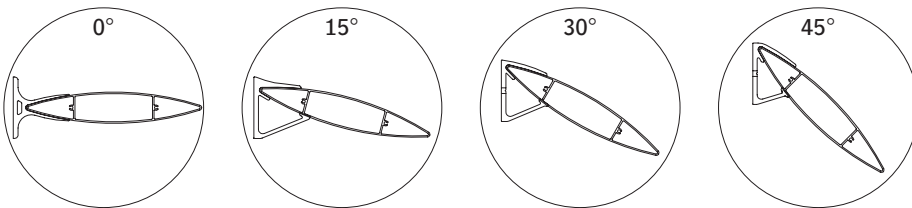
Application with Speed Fix provides a simple and quick way to install your Brise-Soleil:

- › Caps are screwed at the ends of the blades;
- › The brackets equipped with blades' supports Speed Fix (delivered pre-assembled) are fixed to the facade;
- › The braces are to be clipped in the brackets to hide the screws;
- › Blades are drilled and riveted to the blade supports Speed Fix (powder-coated rivets supplied);

Speed Fix can be provided without brackets to be directly fixed to the facade or structural support, see p. 93.

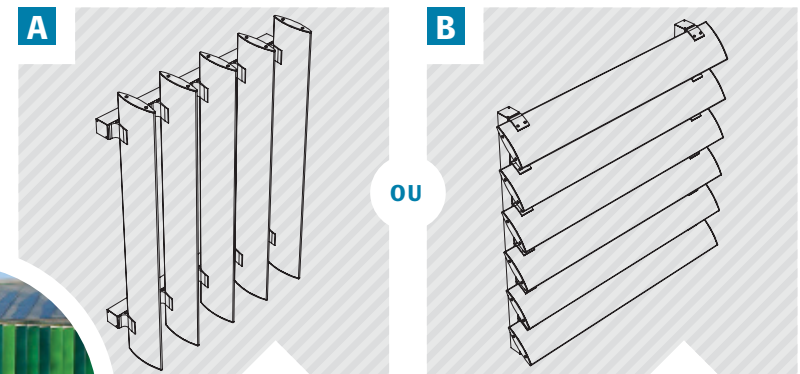


Anvolia, LA CHAPELLE SUR ERDRE (44)
Conception : CIS | Installation: Serupa



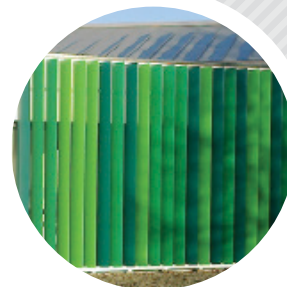
Max. span (in mm) :	AS100 x23	AS120 x24	AS150 x30	AS160 x31	AS200 x36	AS200 x36-R	AS250 x42	AS300 x51	AS360 x60	AS400 x68
Blade from 0° to 15°	1700	2050	2100	2500	2800	2800	3000	3000	3000	3000
Blade from 30° to 45°	2000	2350	2400	2900	3200	3200	3400	3500	3500	3500

Calculated for wind load 1050 Pa.
Other pressures available upon request.



VERTICAL INSTALLATION
VERTICAL BLADES

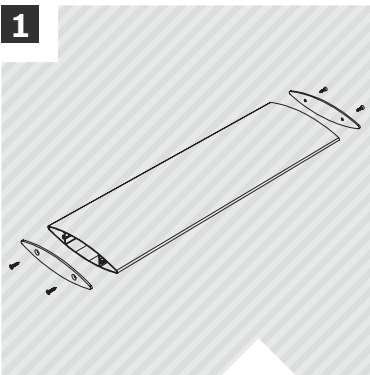
VERTICAL INSTALLATION
HORIZONTAL BLADES



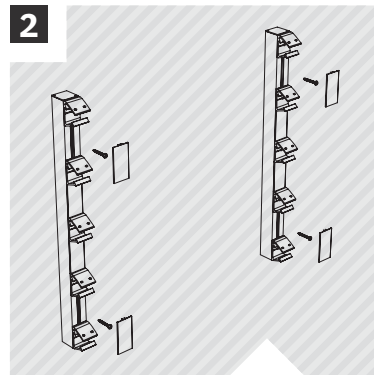
DISCOVER SOME OF OUR PROJECTS:



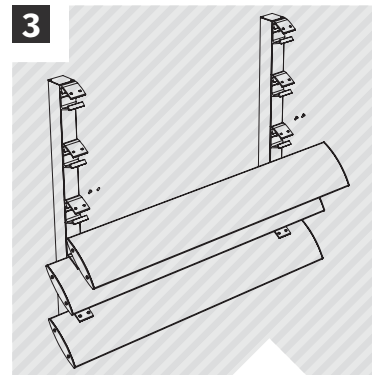
Building, LES PONTS DE CÉ (49)
Architect: Pelleau & Associés | Installation: Les Charpentiers de l'Atlantique



1
SCREW THE CAPS



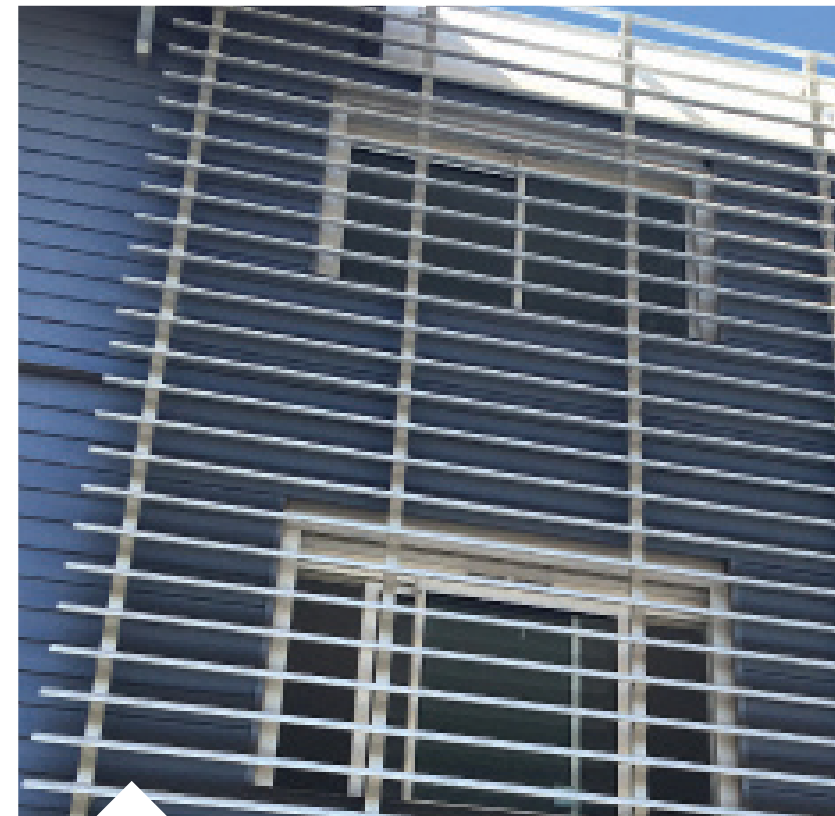
2
FIX THE BRACKETS AND CLIP THE BRACES



3
PLACE THE BLADE IN THE SPEED FIX, DRILL AND RIVET



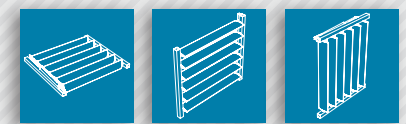
AZUR



Panon Operation, SAINTE-MARIE, LA RÉUNION (97)
Architect: A.G. Architectes | Installation: Metalder. St Clotilde - Soléa



Download our documentation on
www.tellierbrisesoleil.com.



BRISE-SOLEIL AZUR

COMPOSITION

Azur Brise-Soleil with movable blades is composed of:

- › Supports with pivot sleeves (tubes or corner pieces) ;
- › Ovoid «aerofoil» shape of blades with pivot kits;
- › Operating system: guiding support and motor (motorized) or pivot hinge (manual).

Type of supports are confirmed after design.

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

For motorized version, the motor is 230V or 24V power supply.

APPLICATION

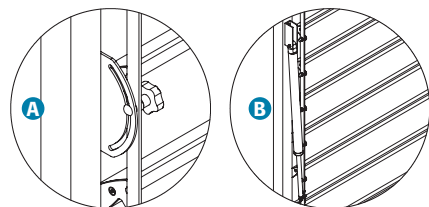
Application with movable blades provides a simple and quick way to install your Brise-Soleil:

- › Supports are to be fixed on the facade;
- › The pivot sleeves are to be placed within the supports to enable rotation;
- › The blades equipped with the pivot kits (delivered pre-assembled) are to be placed between the supports;
- › The bearing ring is to be placed on the pivot axle;
- › The guiding support is to be fixed on the control stub cover to connect the blades to the motor or to the pivot hinge (manual);

Choice of blades' inclination angle depending on the operating system type.



PSA, VÉLIZY (78)
Architect: Atelier Ripaud



- A** Manual
- B** Motorized

Middle School Stella Blandy,
MONTESQUIEU-VOLVESTRE (31)
Architect: JF Casadepax
Installation: Labastère



Max. span (in mm) :	AS70 x15	AS100 x23	AS120 x24	AS160 x31	AS200 x36	AS200 x36-R	AS200 x50	AS250 x42	AS300 x51	AS360 x60	AS400 x68	AS600 x70
Movable blade	1200	1900	2240	2760	3000	3000	3700	3500	3740	4000	4820	4870

Calculated for wind load 1050 Pa.
Other pressures available upon request.

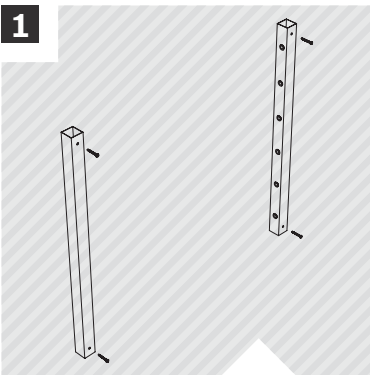
DISCOVER SOME OF OUR PROJECTS:



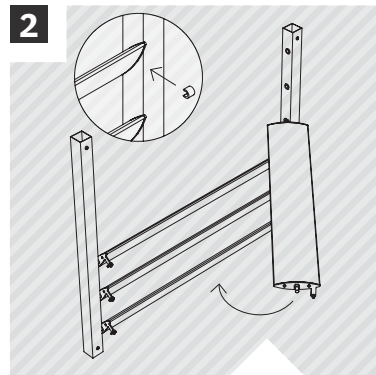
Macif, NIORT (79)
Architect: Agence Architecte Associés | Installation:
Goyer



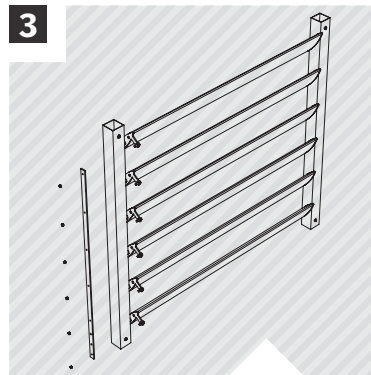
High School Marie-Louise Dissard Françoise, TOURNEFEUILLE (31)
Architect: N. Munoz



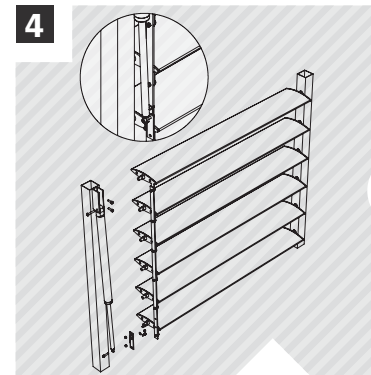
1
FIX THE SUPPORTS (TUBES OR CORNER PIECES)



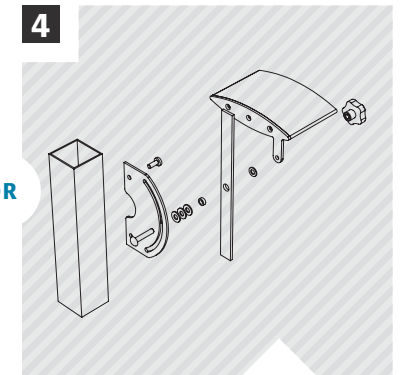
2
FIT THE BLADES AND SECURE WITH THE BEARING RING



3
CONNECT THE BLADES TO THE GUIDING SUPPORT



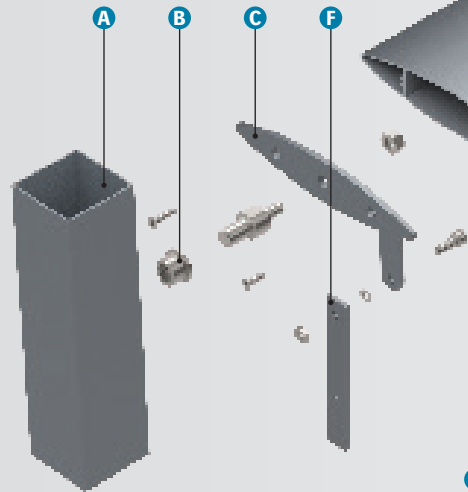
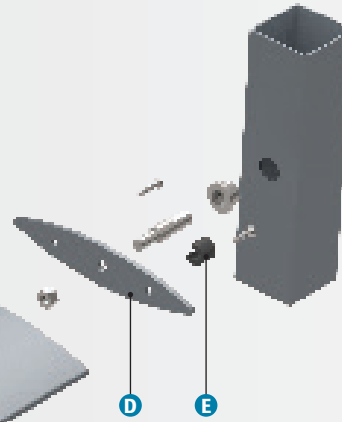
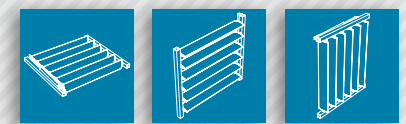
4
FIX THE MOTOR AND CONNECT TO THE GUIDING SUPPORT



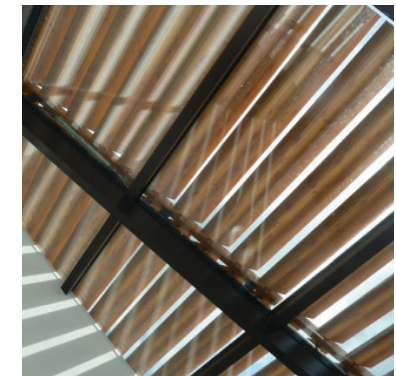
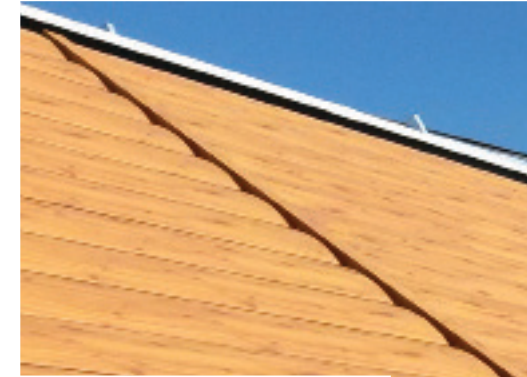
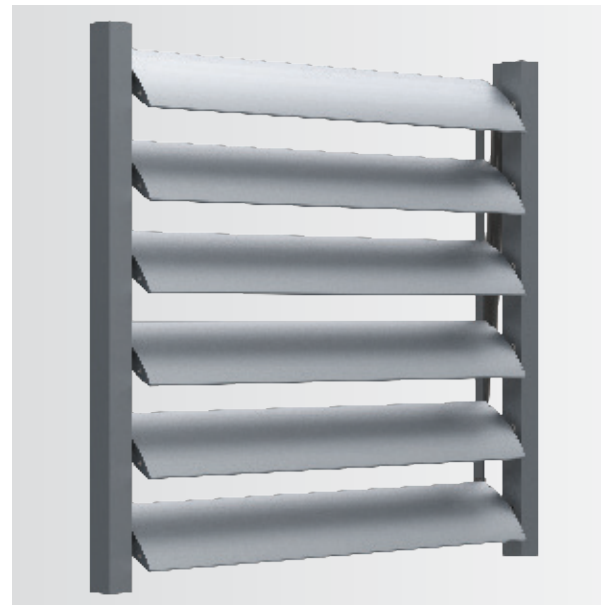
4
OR
FIX THE PIVOT HINGE AND CONNECT TO THE GUIDING SUPPORT



Download our documentation on
www.tellierbrisesoleil.com.



- A** End plate
- B** Ring bearer
- C** End plate
- D** Movable plate
- E** Expansion collar
- F** Fixing plate to parallel off-set bracket



DISCOVER SOME OF OUR **PROJECTS**:



Foundation Abbé Pierre, PARIS (75)
Installation: Verrière du nord



City Hall, CERVILLE (54)
Architect: Pascal Mollard | Installation: Compagnie vosgienne d'isolation



Middle School Milcendeau, CHALLANS (85)
Architect: Linéa Architecte | Installation: Secom'Alu

RANGE

RECTI'LIGNE

- › Ideal solution for solar protection of the building envelope. Our Recti'Ligne Brise-Soleil range is designed to protect you from glaring effects. Fixed on the facade, our Brise-Soleil enables you to reduce your energy consumption, protect from glaring effects (without blocking the view to the outside when installed horizontally) and limit summer overheating effects without affecting the winter solar radiation input. Our movable version (motorized or manual) gives you the ability to adjust their position to suit your needs. It is therefore a simple and aesthetic solution to efficiently protect your building from excessive heat.
- › Beyond their functional aspect, our Recti'Ligne Brise-Soleil are a nice way to enhance your façade aesthetics. A modern design and their rectangular and trapezoidal blades, they are a popular choice amongst architects' choices. Timeless, they will blend into any architectural style of building.
- › Finally, and to provide you with a wide choice, our range of rectangular and trapezoidal blades offer a large array of finishing options (anodized, powder-coated, wood finishing, etc.).
- › Available configurations: horizontal installation, vertical installation with vertical blades or horizontal blades.

KEY FEATURES

- + **ARCHITECTURAL PROFILES**
- + **ADAPTABLE ON ALL TYPES OF FACADES**
- + **MULTIPLE APPLICATIONS & INSTALLATION TECHNIQUES**
- + **NUMEROUS FINISHES AVAILABLE**
- + **WIDE OFFER OF PROFILES (+20 DIFFERENT SECTIONS)**



Hospital administration building CHU, POITIERS (86)
Architect: Brenac & Gonzalez | Installation: BGN | Picture: Sergio Grazia

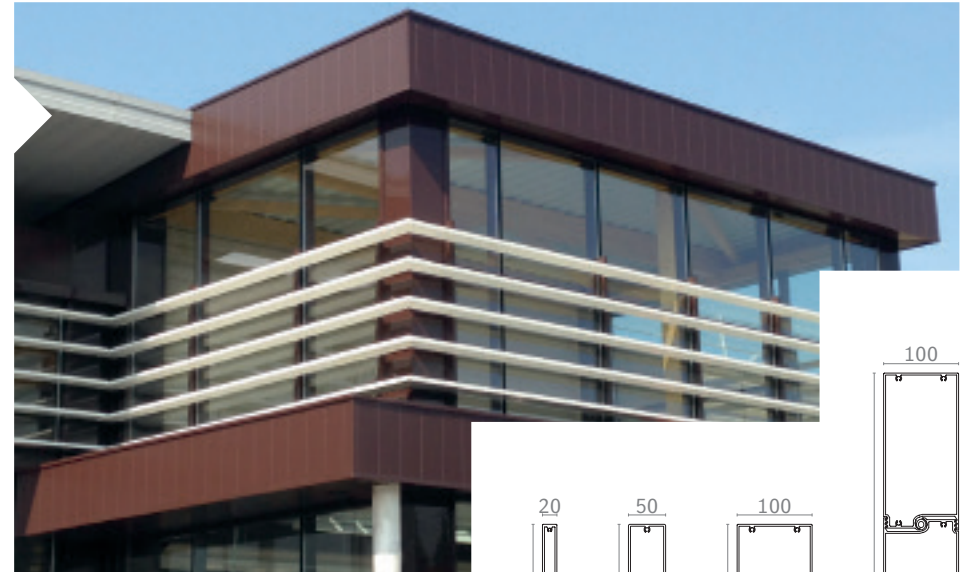


RECTI' LIGNE

RANGE

RECTI'LIGNE

Mall,
LEZOUX (63)
Architect: Comm'Archit
Installation: Entreprise Muguet



DESCRIPTION

- Our Brise-Soleil provides you with a large range of rectangular and trapezoidal blades. Sturdy and performant, they are part of fixed or movable Brise-Soleil and can be adjusted on any type of facades.
- Blades of the Recti'Ligne range are monobloc profiles (except for RL400x100, RL600x100 and RL800x100 made in several sections) with a rectangular or trapezoidal shape, in extruded aluminum. They are mainly used for: Brise-Soleil, screen and facade cladding. Available in 24 different sections.

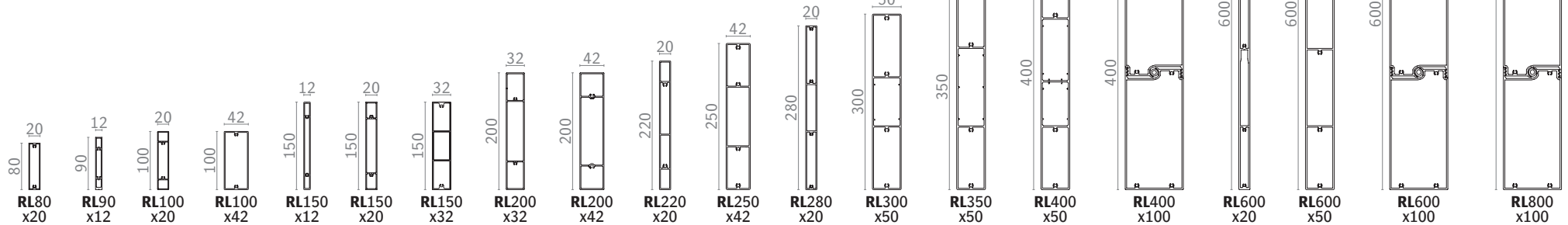
MATERIAL

- Blades: Aluminum 6060 T6, extruded (N573-3);
 - Supports: Aluminum or stainless steel.
- Stainless steel screws & bolts.

FINISHING

- Powder-coating following RAL color chart (60-80 microns);
- Powder-coating wood effect (60-80 microns);
- Anodized (20 microns).

Our finishing options are certified: Qualicoat, Qualimarine, Qualideco and Qualanod.



Type of blade:	RL80 x20	RL90 x12	RL100 x20	RL100 x42	RL150 x12	RL150 x20	RL150 x32	RL200 x32	RL200 x42	RL220 x20	RL250 x42	RL280 x20	RL300 x50	RL350 x50	RL400 x50	RL400 x100	RL600 x20	RL600 x50	RL600 x100	RL800 x100
Section (mm)	80x20	90x12	100x20	100x42	150x12	150x20	150x32	200x32	200x42	220x20	250x42	280x20	300x50	350x50	400x50	400x100	600x20	600x50	600x100	800x100
Perimeter (mm)	200	204	238	282	322	339	362	462	482	478	581	598	697	797	897	1360	1238	1297	2120	2880
Weight (gr/ml)	851	1051	1085	1313	1508	1671	2033	2565	2823	2740	3803	3228	5622	6169	7360	9077	10034	11022	13850	18623
Section modulus ix (cm ⁴)	2,1	0,8	2,7	14,6	1,4	4,35	13,1	17,8	32,6	7,1	43,7	8,5	93	106,5	124	591,9	25,5	192,5	899,7	1207,5
Section modulus iy (cm ⁴)	25	28,1	40,9	65,6	119,7	139,25	178,1	375,9	441	458,3	890,1	828	1792,2	2670,4	4025,5	4995,7	11418,2	13345,8	15813	36890

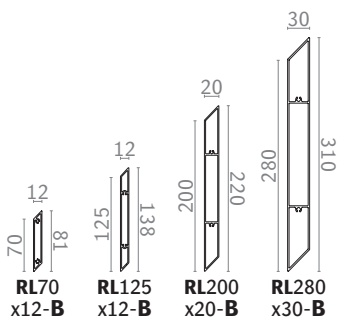
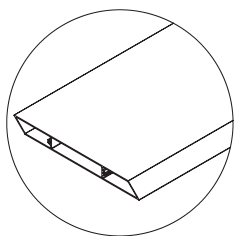
DISCOVER OUR RANGE OF BRISE-SOLEIL WITH **RECTANGULAR & TRAPEZOIDAL BLADES:**



Middle School Eugène Thomas, LE QUESNOY (59)
Architect: Scp Otton Sanchez Architectes | Installation: CMB Rousseau

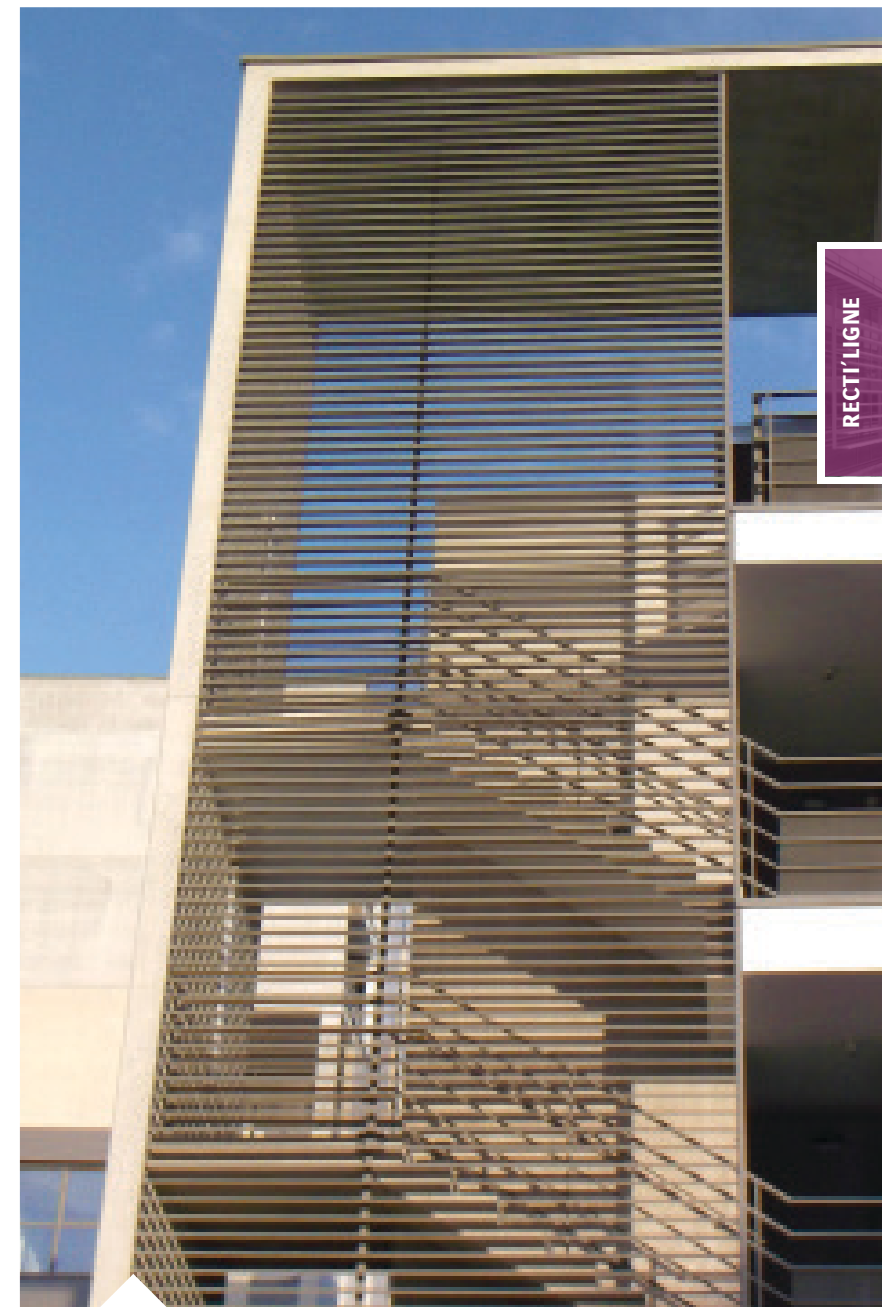


TRAPEZOIDAL BLADES:



Type of blade:	RL70 x12-B	RL125 x12-B	RL200 x20-B	RL280 x30-B
Section (mm)	81x12	138x12	220x20	310x30
Perimeter (mm)	173	286	457	647
Weight (gr/ml)	820	1336	2195	3977
Section modulus ix (cm ⁴)	0,6	1,2	5,7	23,1
Section modulus iy (cm ⁴)	17,6	77,6	316,8	1171

Campus IUT, AUXERRE (89)
Architect: Geoffroy Zonca
Installation: AD Metal

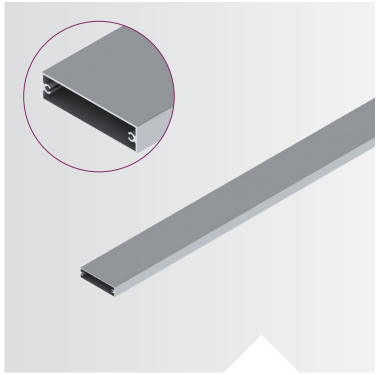


RECTI/LIGNE

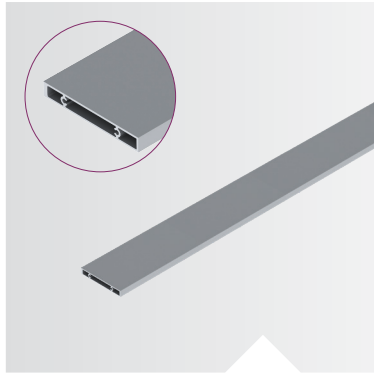
Résidence Clément-Marot, TOURS (37)
Architect: MKA & Associates | Nathalie Régnier-Kagan architecte
Installation: SARL BRUYNEEL ET FILS



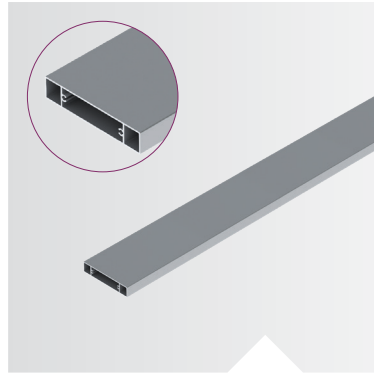
Download our documentation on
www.tellierbrisesoleil.com.



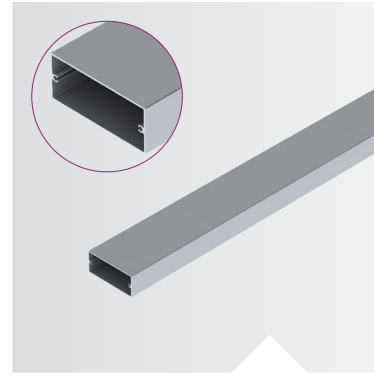
RL80x20



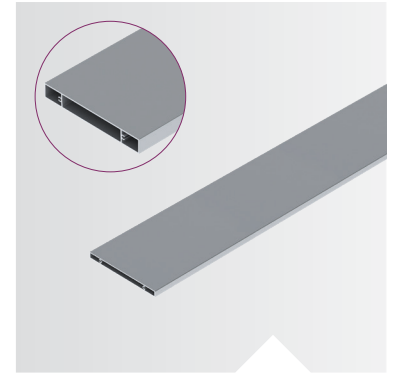
RL90x12



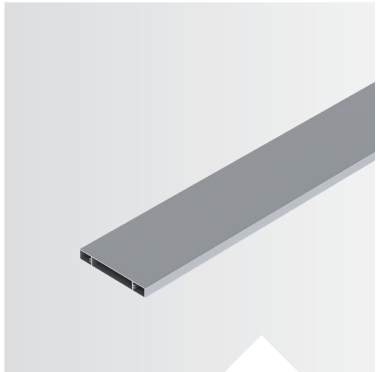
RL100x20



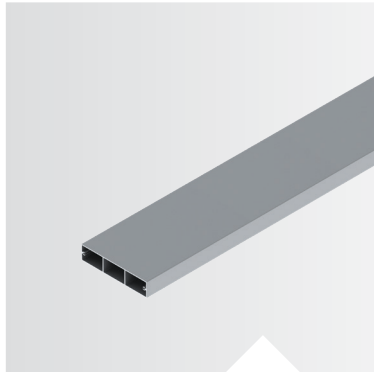
RL100x42



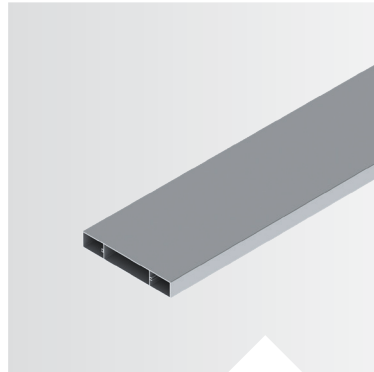
RL150x12



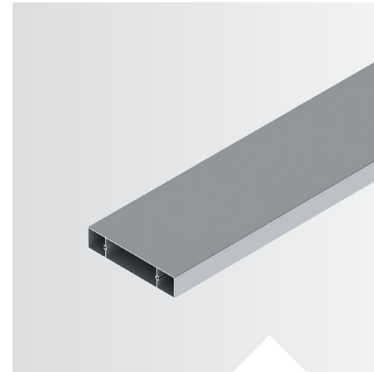
RL150x20



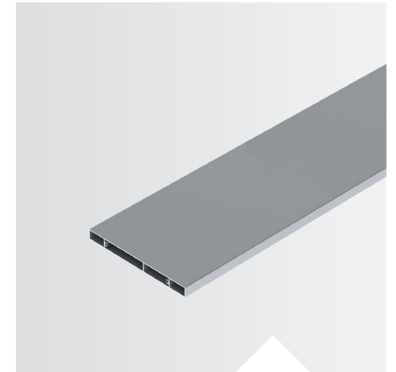
RL150x32



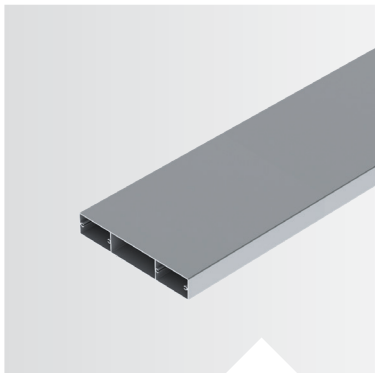
RL200x32



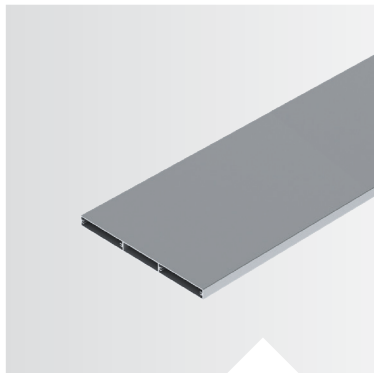
RL200x42



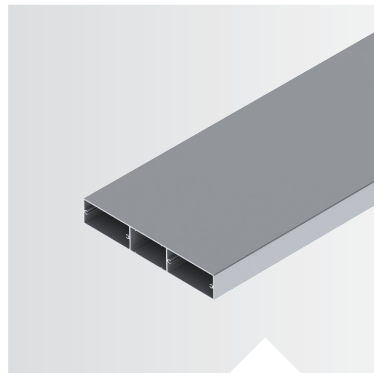
RL220x20



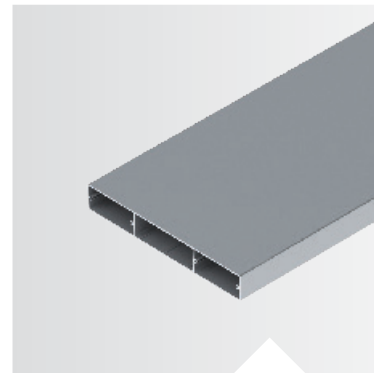
RL250x42



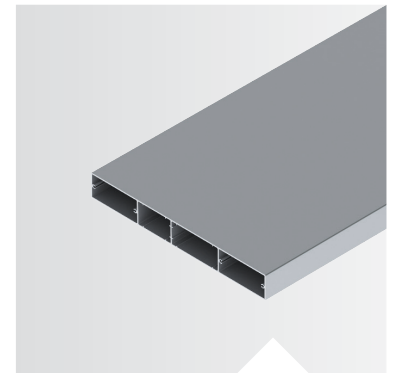
RL280x20



RL300x50



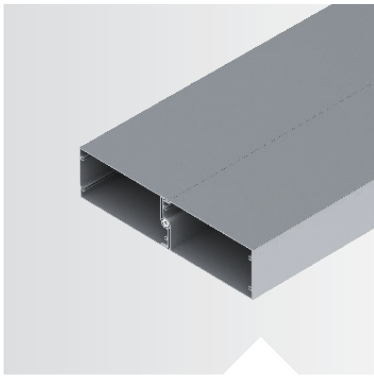
RL350x50



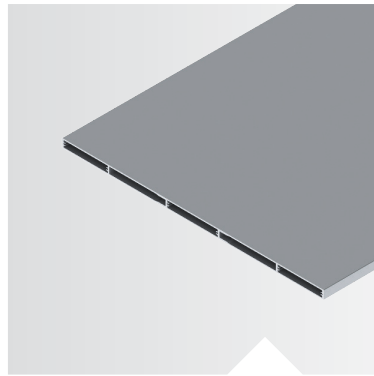
RL400x50



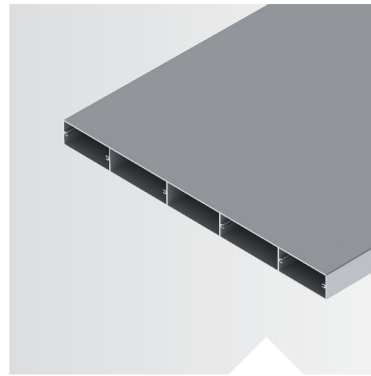
DISCOVER OUR RANGE OF BRISE-SOLEIL WITH **RECTANGULAR & TRAPEZOIDAL BLADES:**



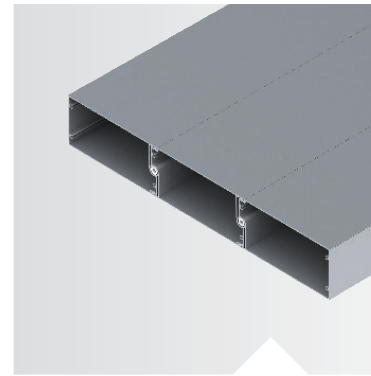
RL400x100



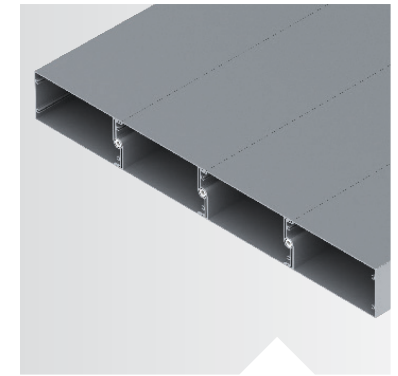
RL600x20



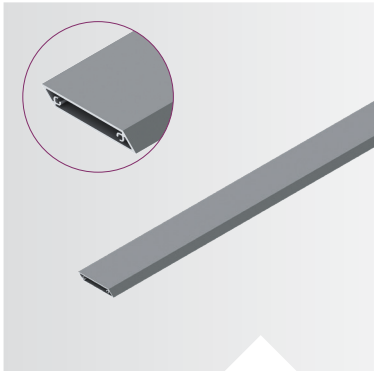
RL600x50



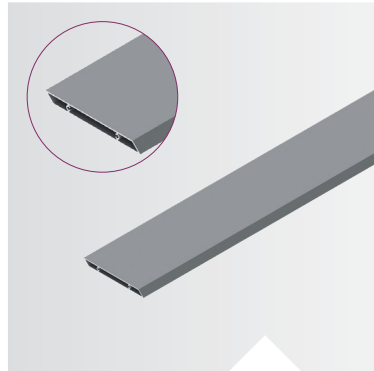
RL600x100



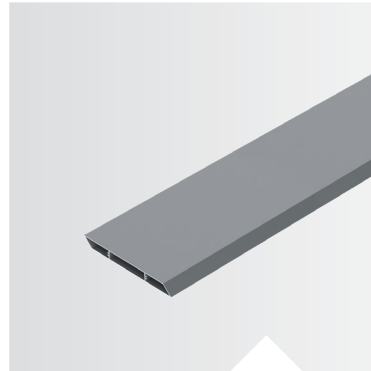
RL800x100



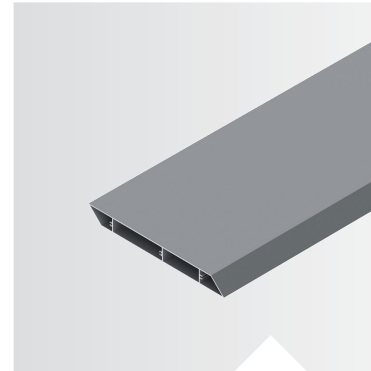
RL70x12-B



RL125x12-B



RL200x20-B



RL280x30-B

RECTI/LIGNE



Middle School
Montesquieu,
ORLÉANS (45)
Architect: Crea'ture
Installation: Bernardi



Delta Green, SAINT HERBLAIN (44)
Architect: CR&ON Architectes | Installation: Sofradi



BRISE-SOLEIL

RECTI'LIGNE

COMPOSITION

Our new Recti'Ligne Brise-Soleil (applied in cassette or between comb or flat end plates) is composed of:

- › Blades' flanges : cassette system, comb end plates, flat end plates;
- › Trapezoidal or rectangular shape of blades.

Dimensions of the mounting flanges are confirmed after design (thickness and material).

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

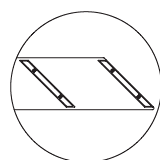
Application with cassette system, or between flat or comb end plates provides a simple and quick way to install your Brise-Soleil :

- › The blades are screwed between the mounting flanges;
- › The modules are to be fixed on the facade (brackets in stand-by position, folded return, between structural supports, etc.) ;

Modules are delivered pre-assembled upon request.



Centre viti-vinicole, BLANQUEFORT (33)
Architect: Pascal Mollard | Installation: Face Aquitaine



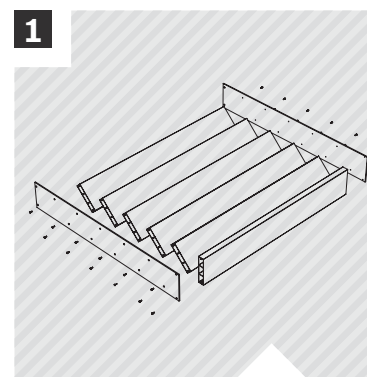
Trapezoidal blades in cassette without fascia profile.

Max. span (in mm) :	RL70 x12-B	RL125 x12-B	RL200 x20-B	RL280 x30-B
Blade at 45°	2000	2300	2800	4300

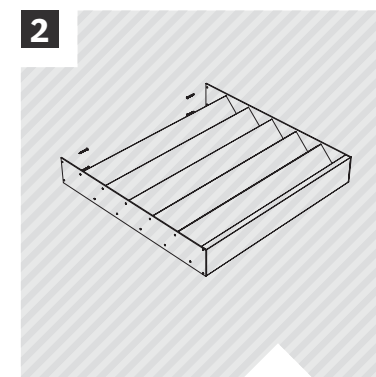
Max. span (in mm) :	RL80 x20	RL90 x12	RL100 x20	RL100 x42	RL150 x12	RL150 x20	RL150 x32	RL200 x32	RL200 x42	RL220 x20	RL250 x42	RL280 x20	RL300 x50	RL350 x50	RL400 x50
Blade at 0°	2000	1700	2200	3500	2000	2300	3200	3550	4000	2650	4000	2650	4150	4250	4350
Blade at 45°	2300	2000	2500	4000	2300	2600	3600	4000	4500	3000	4500	3000	4700	4800	4900

Calculated for wind load 1050 Pa.
Other pressures available upon request.

Option : For an application between brackets, a fascia profile can be integrated.



1 SCREW THE BLADES BETWEEN THE END PLATES



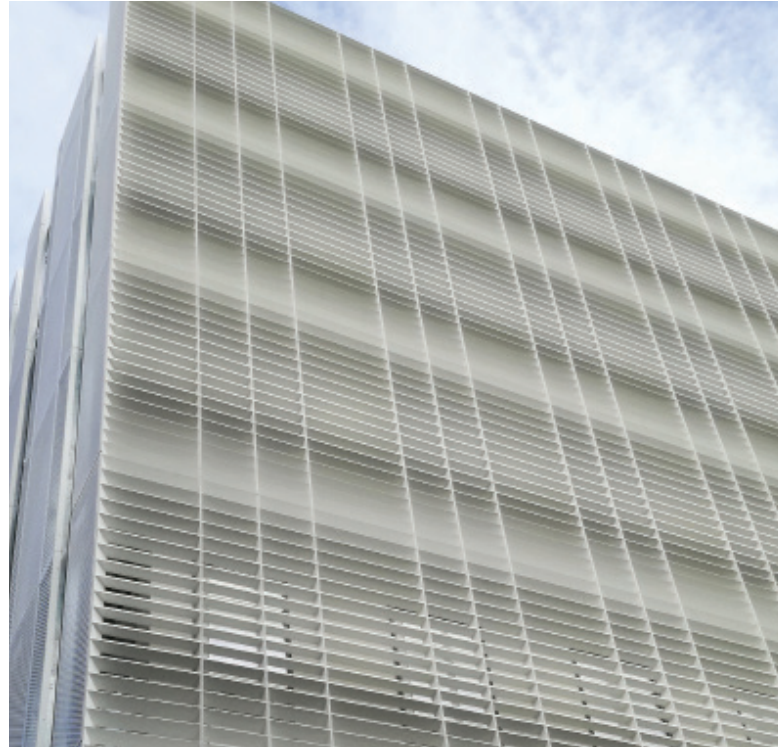
2 FIX THE ASSEMBLY ON THE FACADE

Depending on the overhang, cassettes can be equipped with strain cables or braces - see p. 89.

DISCOVER SOME OF OUR **PROJECTS**:

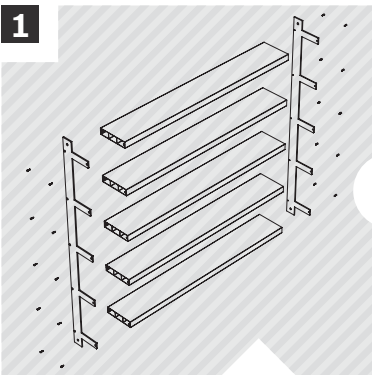


Cap Courrouze, RENNES (35)
Architect: Jacques FERRIER – JFA | Installation: Atelier David

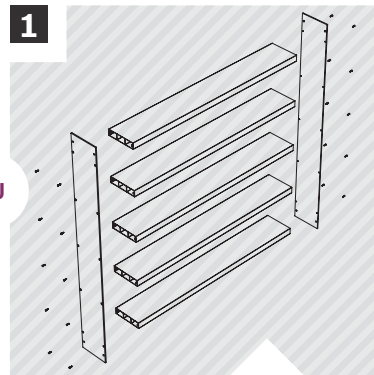


RECTI'LIGNE

Bureau cour Kerveguen, LA RÉUNION (97)
Architect: Linéa Architecte | Installation: Atelier Du Port

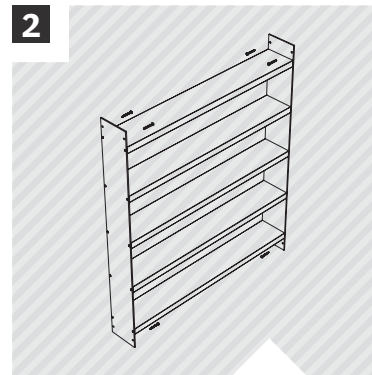


1
SCREW THE BLADES BETWEEN THE COMBS END PLATES



1
SCREW THE BLADES BETWEEN THE FLAT END PLATES

OU



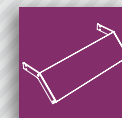
2
FIX THE ASSEMBLY ON THE FACADE



Hôtel de Région, SAINT-DENIS, LA RÉUNION (97)
Architect: Cabinet Grouard | Installation: Atelier Du Port



Download our documentation on
www.tellierbrisesoleil.com.



BRISE-SOLEIL

RECTI'LIGNE

COMPOSITION

Our Recti'Ligne Brise-Soleil (applied between brackets) is composed of:

- › Blades' flanges: brackets;
- › Trapezoidal or rectangular shape of blades.

Dimensions of the mounting flanges are confirmed after design (thickness and material).

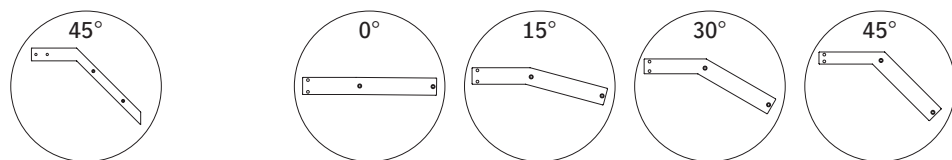
Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

Application between brackets vous provides a simple and quick way to install your Brise-Soleil:

- › The blades are screwed between the mounting flanges;
- › The modules are to be fixed on the facade (brackets in stand-by position, folded return, between structural supports, etc.);

This application type enables installation blade by blade.



Other angles upon request.

Max. span (in mm) :	RL70 x12-B	RL125 x12-B	RL200 x20-B	RL280 x30-B
Blade at 45°	2000	2300	2800	4300
Vertical blade	2000	2300	3000	4800



Cardio-vascular centre, POITIERS (86)

Architectes : Behrend Centdegres Architectures | Installation: BGN

Max. span (in mm) :	RL80 x20	RL90 x12	RL100 x20	RL100 x42	RL150 x12	RL150 x20	RL150 x32	RL200 x32	RL200 x42	RL220 x20	RL250 x42	RL280 x20	RL300 x50	RL350 x50	RL400 x50	RL400 x100	RL600 x20	RL600 x50	RL600 x100	RL800 x100
Blade from 0° to 15°	2000	1700	2200	3500	2000	2300	3200	3550	4000	2650	4000	2650	4150	4250	4350	6000	3100	4600	6000	6000
Blade from 30° à 45°	2300	2000	2500	4000	2300	2600	3600	4000	4500	3000	4500	3000	4700	4800	4900	6900	3500	5200	6900	6900
Vertical blade	2800	2000	2900	4500	2300	3000	4300	4700	5300	3500	5300	3500	5700	5800	5900	6900	3900	6000	6900	6900

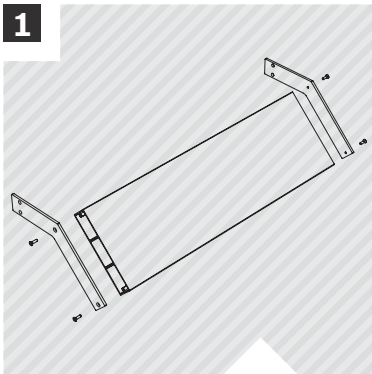
Calculated for wind load 1050 Pa.
Other pressures available upon request.

For blade expansion, we have braces - see p. 91.

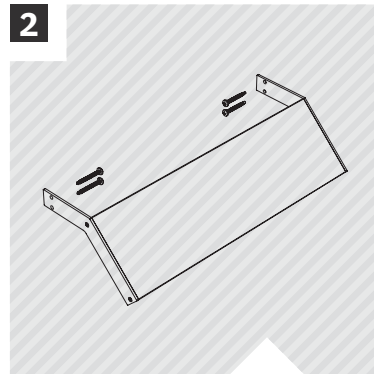
DISCOVER SOME OF OUR **PROJECTS**:



IUT, ORLÉANS (45)
Architectes : Ataub architectes
Installation: Ridoret Menuiserie



SCREW THE BLADES BETWEEN THE BRACKETS

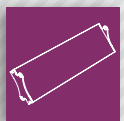


FIX THE ASSEMBLY ON THE FACADE



LAMOTTE Headquarters, RENNES (35)
Architect: Bourdey-Rivasseau & Philippe Lamotte | Installation: Alu Rennais





BRISE-SOLEIL

RECTI'LIGNE

COMPOSITION

Our new Recti'Ligne Brise-Soleil (applied between 90° direct end fixing plates) is composed of:

- › Blades' flanges: 90° direct end fixing plates;
- › Trapezoidal or rectangular shape of blades.

Dimensions of the mounting flanges are confirmed after design (thickness and material).

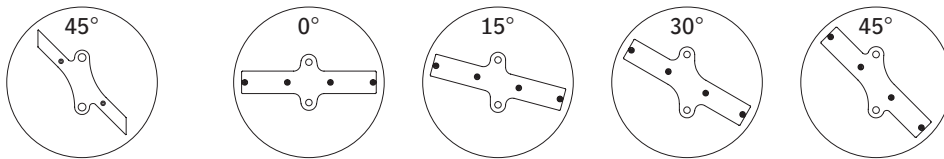
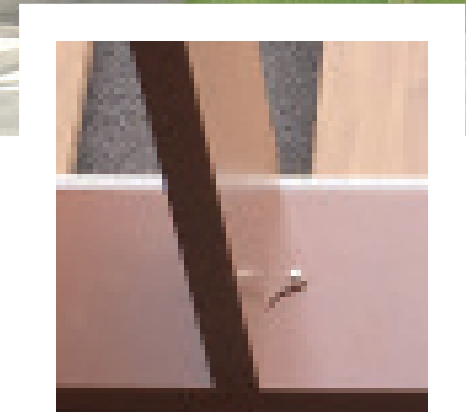
Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

Application between 90° direct end fixing plates provides a simple and quick way to install your Brise-Soleil :

- › The blades are screwed between the mounting flanges;
- › The modules are to be fixed on the facade (brackets in stand-by position, folded return, between structural supports, etc.) ;

This application type enables installation blade by blade.



Other angles upon request.

Max. span (in mm) :	RL70 x12-B	RL125 x12-B	RL200 x20-B	RL280 x30-B
Blade at 45°	2000	2300	2800	4300
Vertical blade	2000	2300	3000	4800

Max. span (in mm) :	RL80 x20	RL90 x12	RL100 x20	RL100 x42	RL150 x12	RL150 x20	RL150 x32	RL200 x32	RL200 x42	RL220 x20	RL250 x42	RL280 x20	RL300 x50	RL350 x50	RL400 x50	RL400 x100	RL600 x20	RL600 x50	RL600 x100	RL800 x100
Blade from 0° to 15°	2000	1700	2200	3500	2000	2300	3200	3550	4000	2650	4000	2650	4150	4250	4350	6000	3100	4600	6000	6000
Blade from 30° to 45°	2300	2000	2500	4000	2300	2600	3600	4000	4500	3000	4500	3000	4700	4800	4900	6900	3500	5200	6900	6900
Vertical blade	2800	2000	2900	4500	2300	3000	4300	4700	5300	3500	5300	3500	5700	5800	5900	6900	3900	6000	6900	6900

Calculated for wind load 1050 Pa.
Other pressures available upon request.

For blade expansion, we have braces - see p. 91.

DISCOVER SOME OF OUR **PROJECTS**:

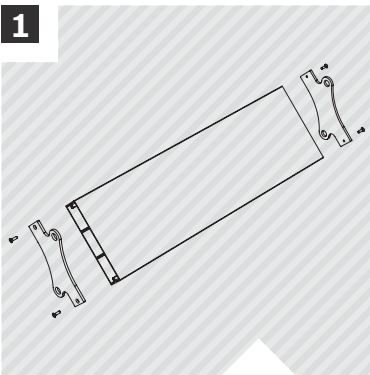


Burger King, ANGERS (49)
Architect: AGMA

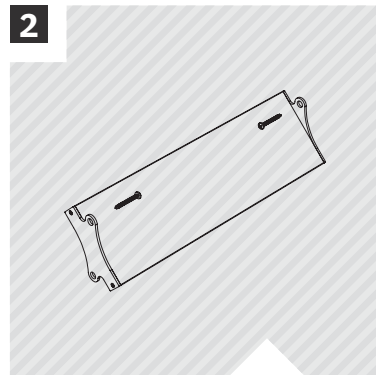


RECTI LIGNE

Sports Hall, REZÉ (44)
Architectes : Chaix & Morel & Associates | Installation: Groupe Briand



1
SCREW THE BLADES BETWEEN THE 90° DIRECT END FIXING PLATE



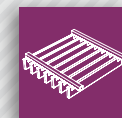
2
FIX THE ASSEMBLY ON THE FACADE



Multimedia Library, IFFENDIC (35)
Architect: Quator | Installation: Ser.AL.Fer



Download our documentation on www.tellierbrisesoleil.com.



BRISE-SOLEIL

RECTI'LIGNE

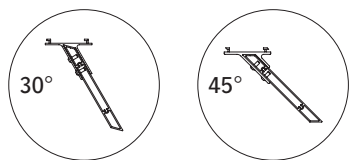
COMPOSITION

Our new Recti'Ligne Brise-Soleil (applied with Speed Fix) is composed of:

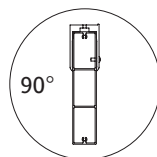
- › Hinge brackets or braces with strain cable, see p. 88 - 89;
- › Brackets with braces, see p. 89;
- › Blades' support: Speed Fix at 45° or 90°, see p. 92;
- › Trapezoidal or rectangular shape of blades;
- › Caps;
- › End caps or fascia profile.

Type of supports are confirmed after design.

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).



Max. span (in mm) :	RL70 x12-B	RL125 x12-B	RL200 x20-B	RL280 x30-B
Blade at 30°	1700	1800	/	/
Blade at 45°	1700	1800	2500	3500



Max. span (in mm) :	RL80 x20	RL100 x20	RL100 x42	RL150 x32	RL200 x32	RL200 x42	RL250 x42	RL300 x50	RL350 x50	RL400 x50
Blade at 90°	2000	2500	3000	2700	2700	3000	3000	3000	3000	3000

Calculated for wind load 1050 Pa.
Other pressures available upon request.

APPLICATION

Application with Speed Fix provides a simple and quick way to install your Brise-Soleil:

- › Caps are screwed at the ends of the blades;
- › The support profiles equipped with blades' supports Speed Fix (delivered pre-assembled) are fixed to the facade;
- › Blades are drilled and riveted to the blade supports Speed Fix (powder-coated rivets supplied);
- › Assembly at the customer's charge.

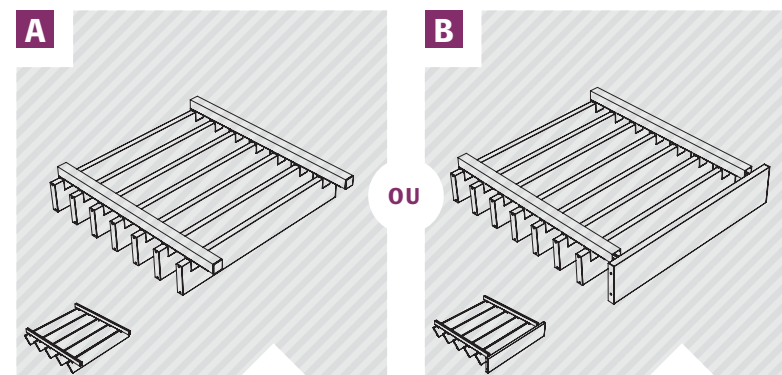
Speed Fix can be provided without brackets to be directly fixed to the facade or structural support, see p. 93.

Depending on the overhang, cassettes can be equipped with strain cables or braces - see p. 89.



CNRS, ORLÉANS (45)

Architect: Werner Stutz Collectif Architecture | Installation: Bernardi SAS



HORIZONTAL INSTALLATION WITHOUT FASCIA PROFILE

HORIZONTAL INSTALLATION WITH FASCIA PROFILE

A fascia profile can be selected from our full range of Brise-Soleil blades (Azur, Recti'Ligne and Canicule).

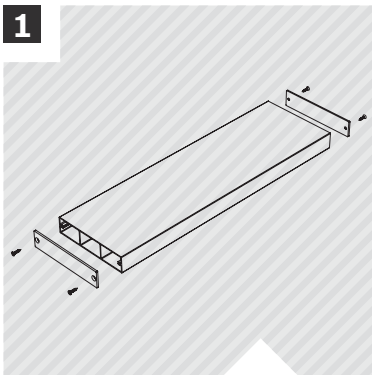
DISCOVER SOME OF OUR **PROJECTS**:



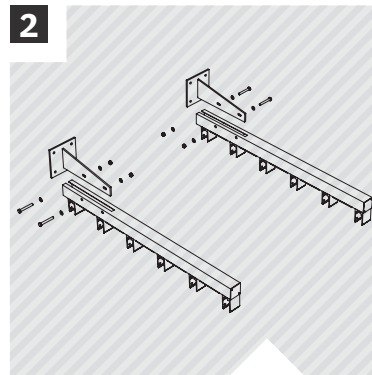
House, SAINT GEORGES DES GARDES (49)



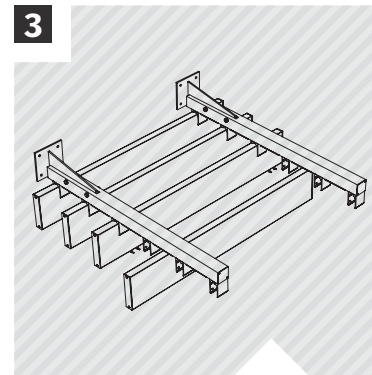
RECTI'LIGNE



1
SCREW THE CAPS



2
SCREW THE BRACKETS ON THE
TREAD PLATES



3
PLACE THE BLADE IN THE
SPEED FIX, DRILL AND RIVET



Download our documentation on
www.tellierbrisesoleil.com.



BRISE-SOLEIL

RECTI'LIGNE

COMPOSITION

Our new Recti'Ligne Brise-Soleil (applied with Speed Fix) is composed of:

- › Brackets with braces and caps, see p. 89;
- › Blades' support: Speed Fix at 45° or 90°, see p. 92;
- › Trapezoidal or rectangular shape of blades;
- › Caps.

Type of brackets are confirmed after design.

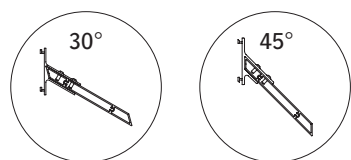
Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

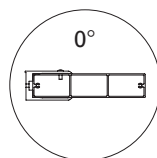
Application with Speed Fix provides a simple and quick way to install your Brise-Soleil:

- › Caps are screwed at the ends of the blades;
- › The support profiles equipped with blades' supports Speed Fix (delivered pre-assembled) are fixed to the facade;
- › The braces are to be clipped in the brackets to hide the screws;
- › Blades are drilled and riveted to the blade supports Speed Fix (powder-coated rivets supplied);

Speed Fix can be provided without brackets to be directly fixed to the facade or structural support, see p. 93.



Max. span (in mm) :	RL70 x12-B	RL125 x12-B	RL200 x20-B	RL280 x30-B
Blade at 30°	1700	1800	/	/
Blade at 45°	1700	1800	2500	3500

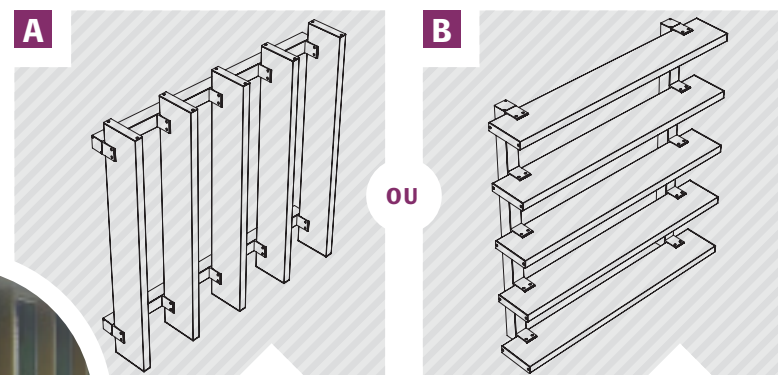


Max. span (in mm) :	RL80 x20	RL100 x20	RL100 x42	RL150 x32	RL200 x32	RL200 x42	RL250 x42	RL300 x50	RL350 x50	RL400 x50
Blade at 0°	2000	2500	3000	2700	2700	3000	3000	3000	3000	3000

Calculated for wind load 1050 Pa.
Other pressures available upon request.



Station, TOURS (37)
Installation: Franchet



VERTICAL INSTALLATION
VERTICAL BLADES

VERTICAL INSTALLATION
HORIZONTAL BLADES



DISCOVER SOME OF OUR PROJECTS:



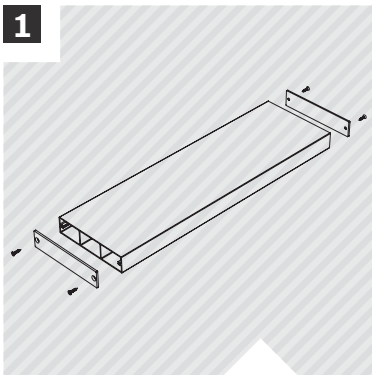
Hall Michel Colucci, GOUSSAINVILLE (95)
Architect: Studio Bellecour Architecte | Installation: Bonnevie et Fils



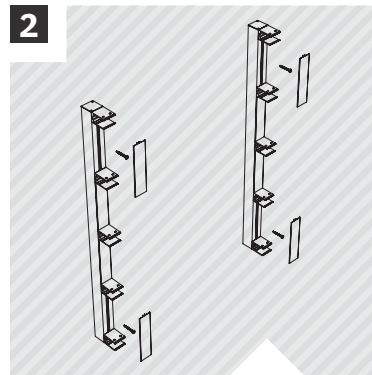
La Maisonnais, VITRÉ (35)
Architect: Cabinet Bakelite | Installation: Ser.AL.Fer



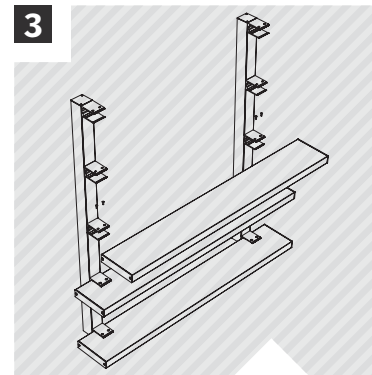
RECTI'LIGNE



1
SCREW THE CAPS



2
FIX THE BRACKETS AND CLIP THE BRACES



3
PLACE THE BLADE IN THE SPEED FIX, DRILL AND RIVET



High School des Mauges, BEAUPRÉAU (49)
Architect: Epicuria architectes | Installation: Ets David



Download our documentation on
www.tellierbrisesoleil.com.



BRISE-SOLEIL

RECTI'LIGNE

COMPOSITION

Our new Recti'Ligne Brise-Soleil with movable blades is composed of:

- › Supports with pivot sleeves (tubes or corner pieces) ;
- › Trapezoidal or rectangular blades with pivot kits;
- › Operating system: guiding support and motor or pivot hinge (manual).

Type of brackets are confirmed after design.

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

For motorized version, the motor is 230V or 24V power supply.

APPLICATION

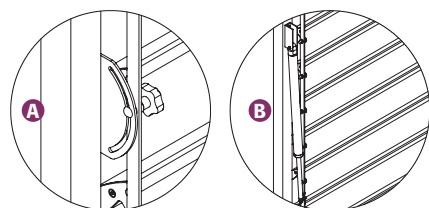
Application with movable blades provides a simple and quick way to install your Brise-Soleil:

- › Supports are to be fixed on the facade;
- › The pivot sleeves are to be placed within the supports to enable rotation;
- › The blades equipped with the pivot kits (delivered pre-assembled) are to be placed between the supports;
- › The bearing ring is to be placed on the pivot axle;
- › The guiding support is to be fixed on the control stub cover to connect the blades to the motor or to the pivot hinge (manual);

Choice of blades' inclination angle depending on the operating system type.

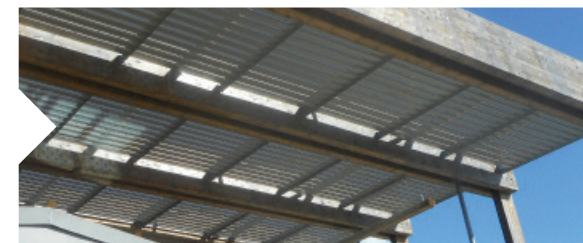


Magnanat Echallens, SUISSE
Installation: NC Diffusion



- A** Manual
- B** Motorized

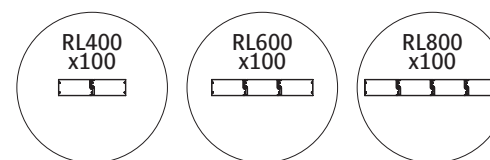
AMB SPIP 3551,
LA RÉUNION (97)
Installation: Atelier Du Port



Max. span (in mm) :	RL80 x20	RL90 x12	RL100 x20	RL100 x42	RL150 x12	RL150 x20	RL150 x32	RL200 x32	RL200 x42	RL220 x20	RL250 x42	RL280 x20	RL300 x50	RL350 x50	RL400 x50	RL600 x20	RL600 x50
Movable blade	2000	1600	2200	3500	1600	2200	2900	3000	3200	2200	3200	2200	3600	3600	4200	2400	4500

RL70 x12-B	RL125 x12-B	RL200 x20-B	RL280 x30-B
1600	1600	2500	3000

Calculated for wind load 1050 Pa.
Other pressures available upon request.



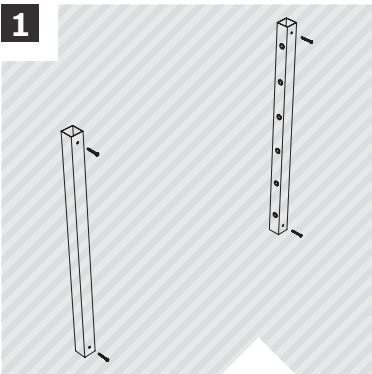
For interlocking blades (RL400x100, RL600x100 and RL800x100), the span is confirmed by design.

DISCOVER SOME OF OUR PROJECTS:

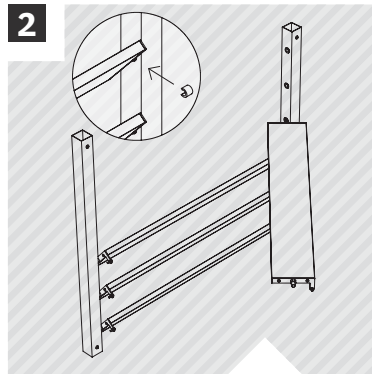


RECTI' LIGNE

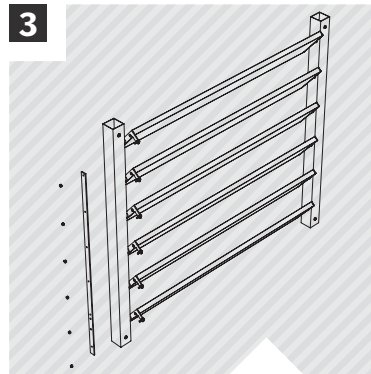
House, CAVAGNAC (46)
Architect: Armelle Delon | Installation: AB Menuiserie



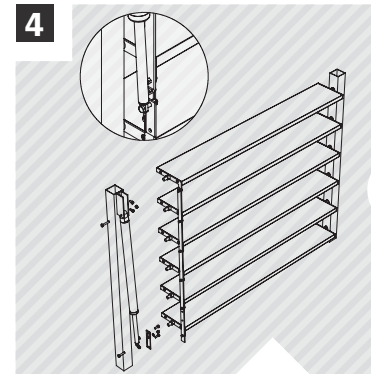
1 FIX THE SUPPORTS (TUBES OR CORNER PIECES)



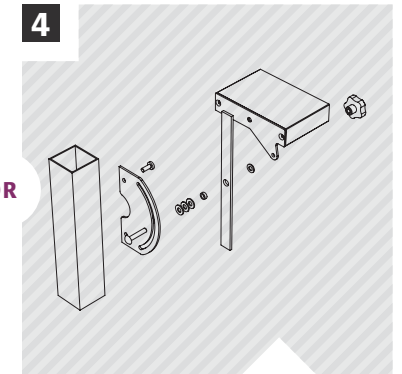
2 FIT THE BLADES AND SECURE WITH THE BEARING RING



3 CONNECT THE BLADES TO THE GUIDING SUPPORT



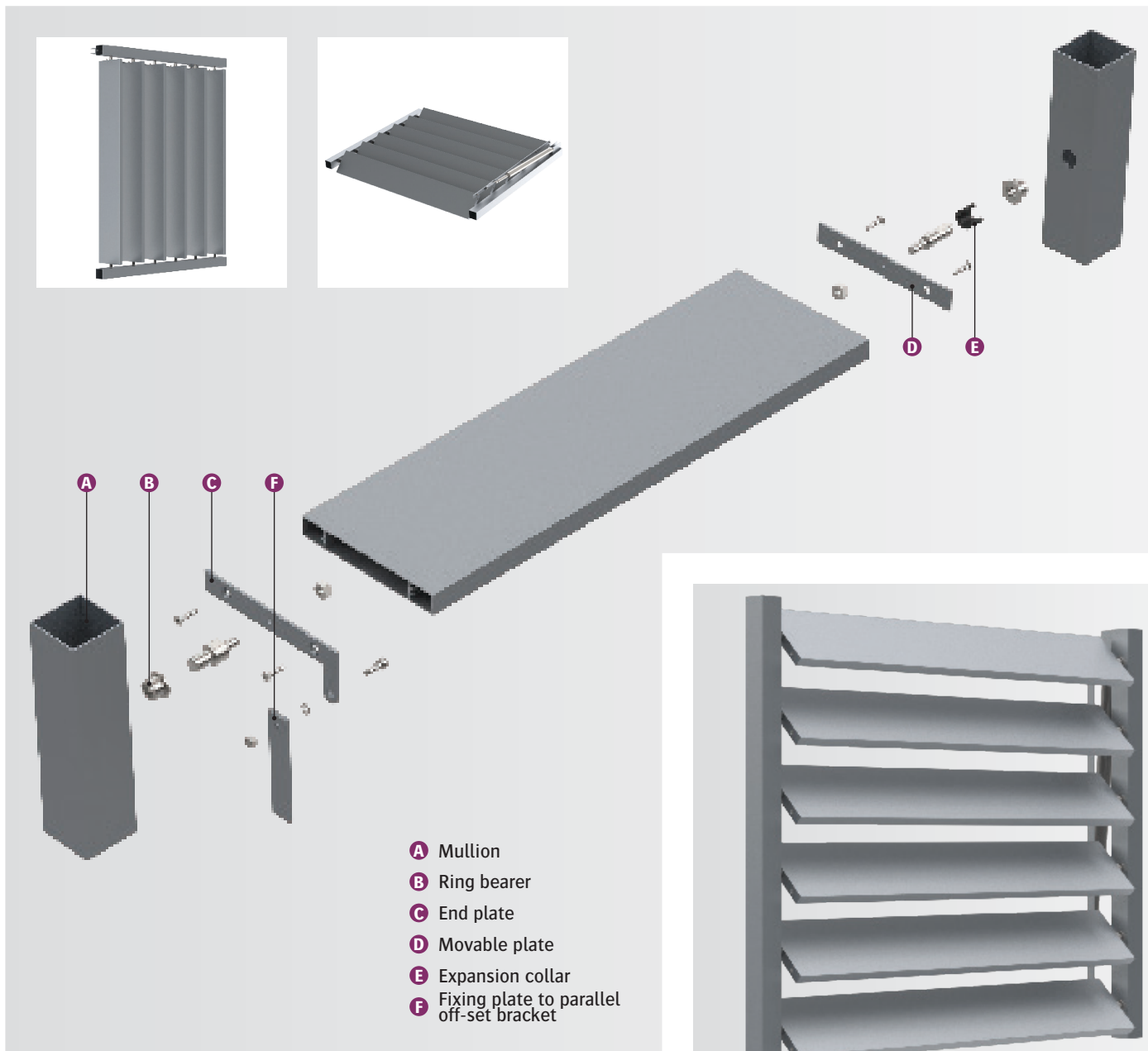
4 FIX THE MOTOR AND CONNECT TO THE GUIDING SUPPORT



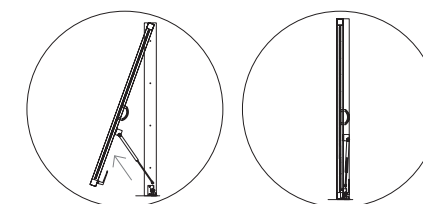
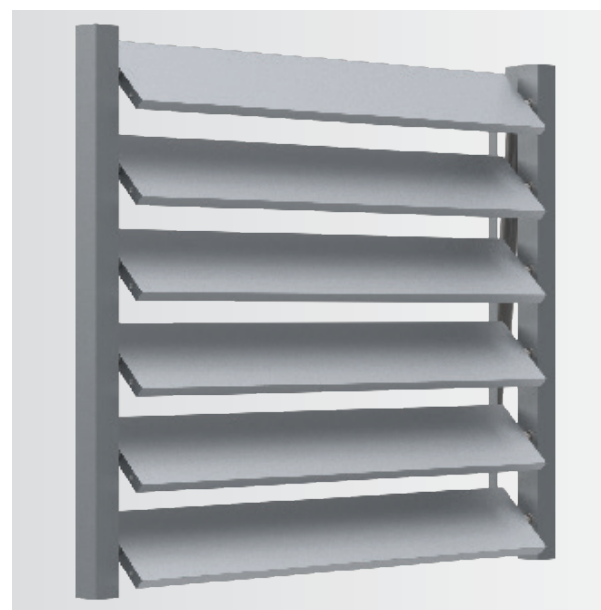
4 FIX THE PIVOT HINGE AND CONNECT TO THE GUIDING SUPPORT



Download our documentation on
www.tellierbrisesoleil.com.



House, DELLIS (94)



ADJUSTABLE MODULE

- › Allows the adjustment of modules inside the fixed frames to facilitate cleaning and maintenance on the glass;
- › Enables opening of the frame (flexibility, strength and shock absorption);
- › See p. 90.

The speed of the rod is hydraulically controlled at its end of travel.

DISCOVER SOME OF OUR **PROJECTS**:



Tours Météor 3, SAINT-NAZAIRE (44)
Architect: Jean-Claude Pondevie | Installation: Secom Alu



Middle School Per Jakez Heliáz, MERDRIGNAC (22)
Architect: NUNC Architectes | Installation: Miroiterie de l'ouest - Glassolution



Residence Mazet des Puits, MARTIGUES (13)
Architect: Claire Fatosme & Christian Lefèvre | Installation: Altrimenti



RECTI LIGNE

RANGE

CANICULE

- › An ideal solution for solar protection for the building envelope. Our Canicule range is designed to protect from glaring effects. Fixed on the facade, our Brise-Soleil enables you to reduce your energy consumption, protect from glaring effects (without blocking the view to the outside when installed horizontally) and limit summer overheating effects without affecting the winter solar radiation inputs. The movable version (motorized or manual) gives you the ability to adjust their position to suit your needs. It is therefore a simple and aesthetic solution to efficiently protect your building from excessive heat.
- › Beyond their functional aspect, our Canicule Brise-Soleil are a nice way to enhance your façade aesthetics. A modern design and an innovative fixing system, they will blend into any architectural style of building.
- › Finally, to provide you with a wide choice, our range of interlocking blades offer a large array of finishing options (anodized, powder-coated, wood finishing, etc.).

Available configurations: horizontal installation, vertical installation with horizontal blades.

KEY FEATURES

- + **ECONOMIC (COST/PERFORMANCE RATIO)**
- + **ADAPTABLE ON ALL TYPES OF FACADE**
- + **MULTIPLE APPLICATIONS & COMBINATIONS**
- + **SIMPLE & RAPID INSTALLATION (INTERLOCKING BLADES)**
- + **POSSIBILITY TO CURVE ON THE FASCIA PROFILE**



House, CHATEAU-GONTIER (53)
Installation: Maison Bois Cruard



CANICULE

RANGE

CANICULE

DESCRIPTION

- › Our Brise-Soleil provides you with a large range of interlocking blades. Sturdy and performant, they are part of fixed Brise-Soleil and can be adjusted on any type of facade.
- › Blades of the Canicule range are simple profiles in extruded aluminum. They are mainly used for: Brise-Soleil, screen facade cladding. Available in 5 different sections.

Other shapes and sections upon request.

MATERIAL

- › Blades: Aluminum 6060 T6, extruded (N573-3);
- › Supports: Aluminum or stainless steel.

Stainless steel screws & bolts.

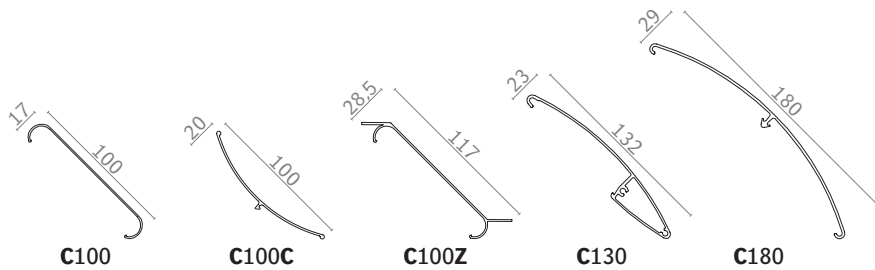
FINISHING

- › Powder-coating following RAL color chart (60-80 microns);

Our finishing options are certified: Qualicoat, and Qualimarine.



Ruelle des fleurs, LA RÉUNION (97)
Architect: Ag Nabee Architecture | Installation: SIM - Soléa

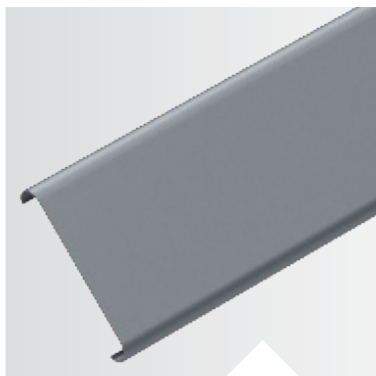


Type of blade:	C100	C100C	C100Z	C130	C180
Section (mm)	100x17	100x20	117x28,5	132x23	180x29
Perimeter (mm)	260	226	325	312	431
Weight (gr/ml)	418	411	556	893	1007
Section modulus ix (cm ⁴)	0,4	0,4	0,6	1,6	2,3
Section modulus iy (cm ⁴)	17,9	13,4	30,3	51,4	106,2

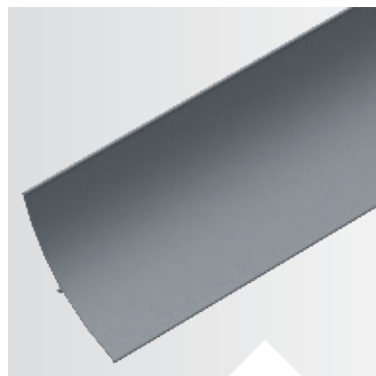
Type of fascia profile:	C160
Section (mm)	160x17
Perimeter (mm)	431
Weight (gr/ml)	1239
Section modulus ix (cm ⁴)	0,8
Section modulus iy (cm ⁴)	99,7



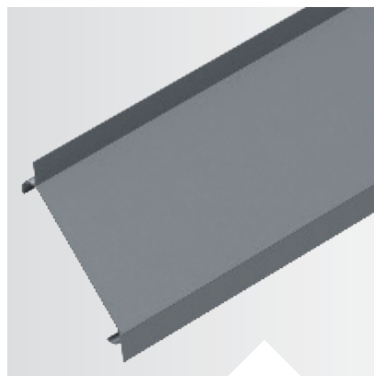
DISCOVER OUR RANGE OF BRISE-SOLEIL WITH **INTERLOCKING BLADES**:



C100



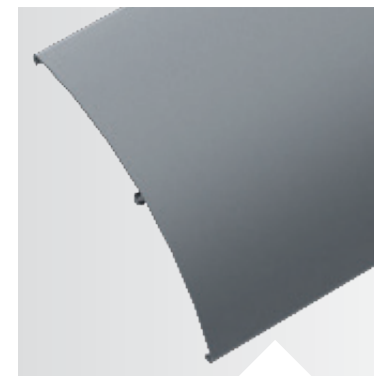
C100C



C100Z



C130



C180



Fascia profile C160



Résidence FASTREZ
Installation: Réflex'Éco



BRISE-SOLEIL

CANICULE

COMPOSITION

Our Canicule Brise-Soleil (with horizontal installation and blades below with structural supports) is composed of:

- › Structural supports or hinge brackets and strain cable, see p. 88-89 ;
- › Brackets, see p. 89 ;
- › Blades' supports with a 45° inclination;
- › Blades in C shape;
- › Fascia profile in C shape or finishing end caps.

Dimensioning of the brackets is confirmed after design.

Standard blade and fascia profile lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

Horizontal installation with blades suspended with structural supports. Provides a simple and quick way to install your Brise-Soleil:

- › The blade supports are delivered pre-assembled on the support profiles;
- › The support profiles equipped with blade supports are fixed onto the facade (via structural supports, hinge brackets and strain cables, etc.);
- › The blades are clipped on their supports;
- › The fascia profile or end caps are screwed to the brackets;

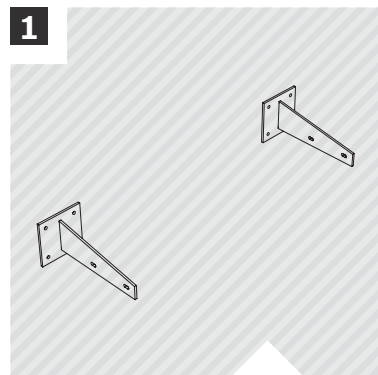
Blades' junction: Splicing bar system for blades C100 - Splicing bar system for brackets C100C.



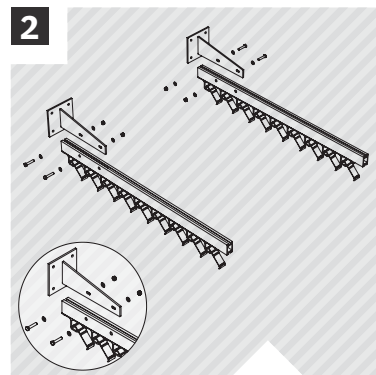
Max. span (in mm) :	C100	C100C	C160
At 45°	1800	1200	2200

Calculated for wind load 1050 Pa. Other pressures available upon request.

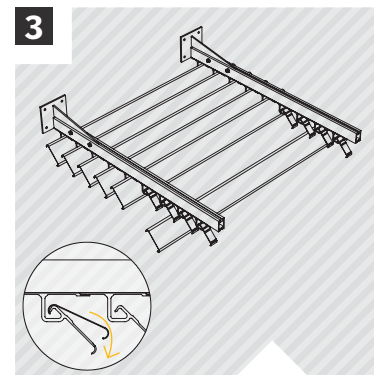
France Frais Immobilier, SOTTEVAST (50)
Architect: Adent Ingenierie | Installation: Serupa



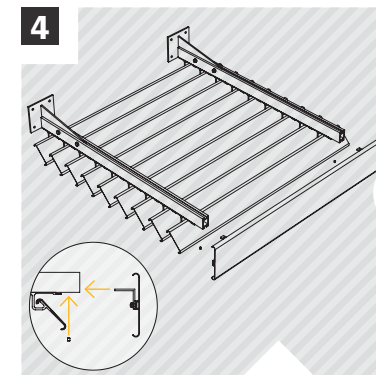
1
FIX THE STRUCTURAL SUPPORTS ON THE FACADE



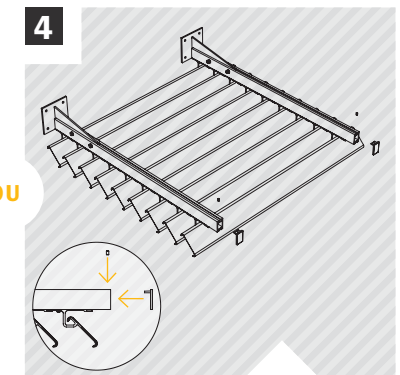
2
FIX THE BRACKETS ON THE STRUCTURAL SUPPORTS



3
CLIP THE BLADES ON THEIR SUPPORTS



4
SCREW THE FASCIA PROFILE ON THE BRACKETS



4
SCREW THE END CAPS ON THE BRACKETS

OU



DISCOVER SOME OF OUR **PROJECTS**:



Public Notary Office, AIZENAY (85)
Architect: Olivier DUGAST | Installation: Secom'Alu

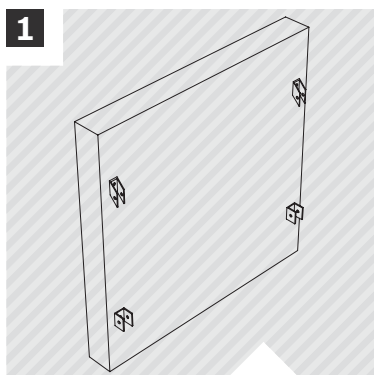


Kindergarden and recreation center, FONTAINE-ÉTOUPEFOUR (14)
Construction & Installation: Module Création

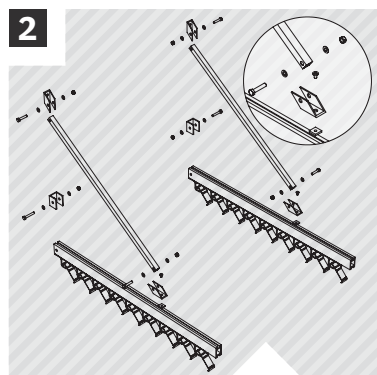
CANICULE



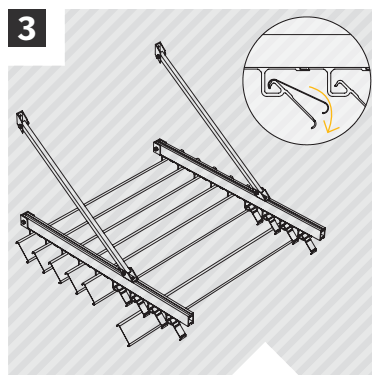
Visitor Center, CORSEUL (22)
Construction & Installation: Module Création



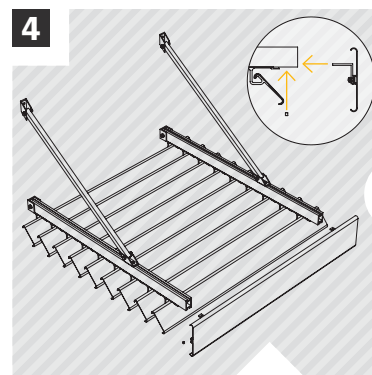
1 FIX THE HINGE BRACKETS ON THE FACADE



2 SCREW THE SUPPORTS AND STRAIN CABLE ON THE HINGE BRACKETS

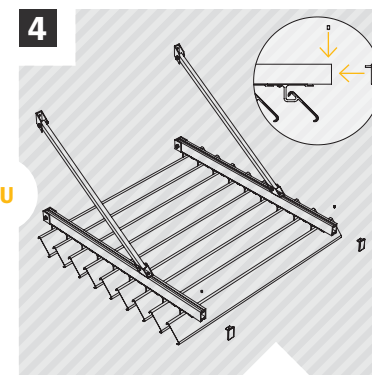


3 CLIP THE BLADES ON THEIR SUPPORTS



4 SCREW THE FASCIA PROFILE ON THE BRACKETS

OU



4 SCREW THE END CAPS ON THE BRACKETS

Offices COFILMO, LOUDÉAC (22)
Constructeur & Installation: Module Création



House, VERRIERES-LE-BUISSON (91)
Architect: Rovero
Installation: Maison Bois Cruard



DISCOVER SOME OF OUR **PROJECTS**:



Residence BRETIN
Installation: Réflex'Éco



Residence CHALONNY
Installation: Trecobat



Faurecia, BRIÈRES-LES-SCELLÉS (91)
Installation: Le Port Christian





BRISE-SOLEIL

CANICULE

COMPOSITION

Our Canicule Brise-Soleil (with horizontal installation and blades on top with structural supports) is composed of:

- › Structural supports or hinge brackets and strain cable, see p. 88-89 ;
- › Brackets, see p. 89 ;
- › Blades' supports with a 45° inclination;
- › Blades in C shape;
- › Fascia profile in C shape or finishing end caps.

Dimensions of the supports are confirmed after design.

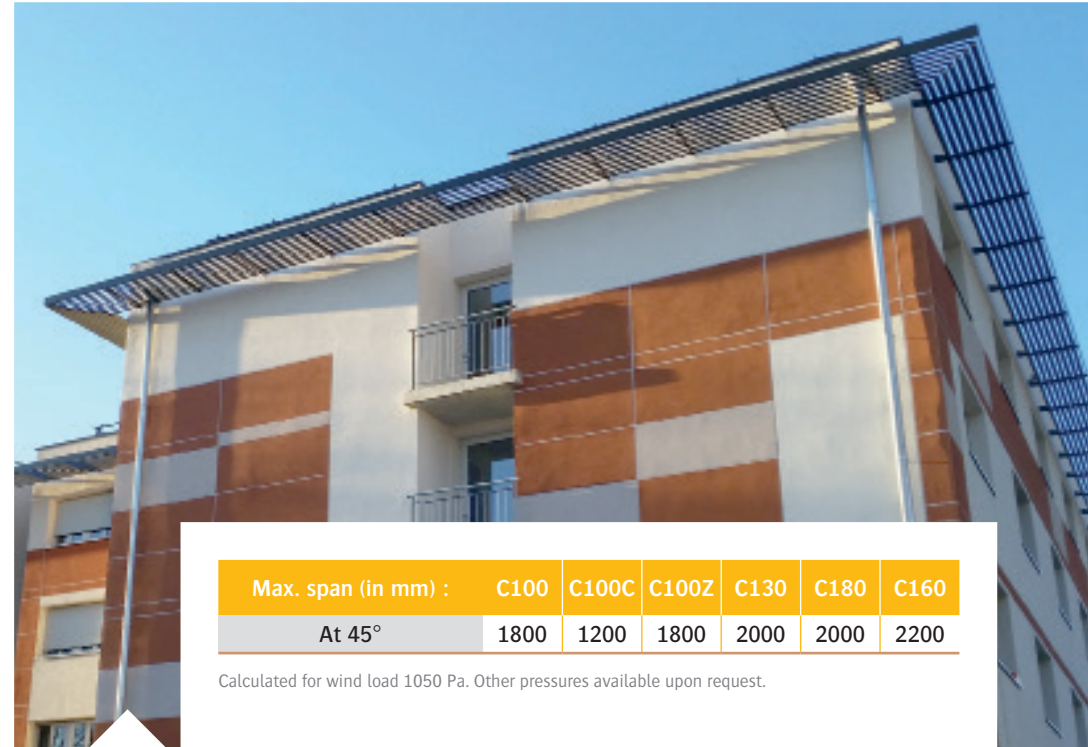
Standard blade and fascia profile lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

APPLICATION

Horizontal installation and blades on top with structural supports. Provides a simple and quick way to install your Brise-Soleil:

- › The blade supports are delivered pre-assembled on the support profiles;
- › The support profiles equipped with blade supports are fixed onto the facade (via structural supports, hinge brackets and strain cables, etc.);
- › The blades are clipped on their supports;
- › The fascia profile or end caps are screwed to the brackets;

Blades' junction: Splicing bar system for blades C100 et C100Z (see diagram) - splicing bar system for brackets C100C, C130 and C180.

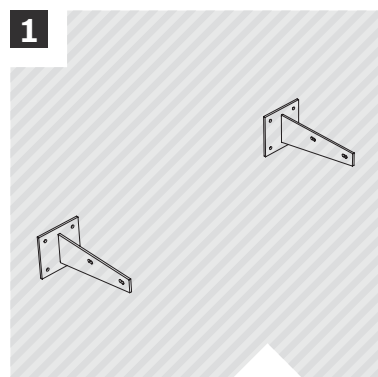


Max. span (in mm) :	C100	C100C	C100Z	C130	C180	C160
At 45°	1800	1200	1800	2000	2000	2200

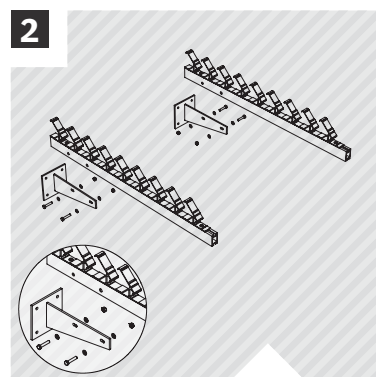
Calculated for wind load 1050 Pa. Other pressures available upon request.

Building, LA MOTTE-SERVOLEX (73)

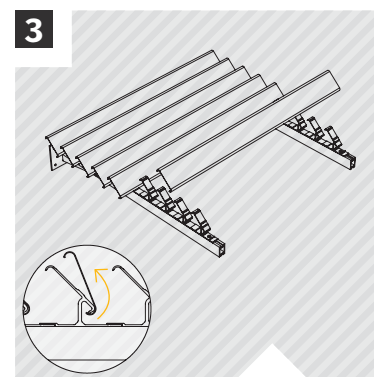
Architect: INEX-A Architectes - Damien Dupraz | Installation: Constructions Métalliques Rémi Roche



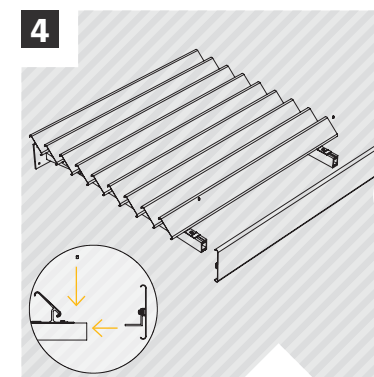
1 FIX THE STRUCTURAL SUPPORTS ON THE FACADE



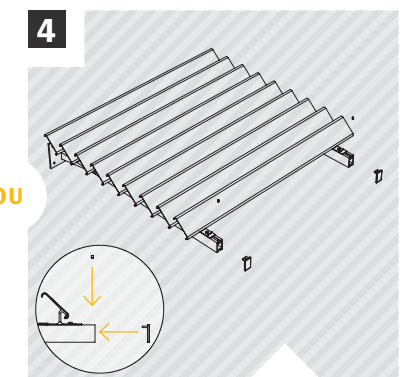
2 FIX THE BRACKETS ON THE STRUCTURAL SUPPORTS



3 CLIP THE BLADES ON THEIR SUPPORTS

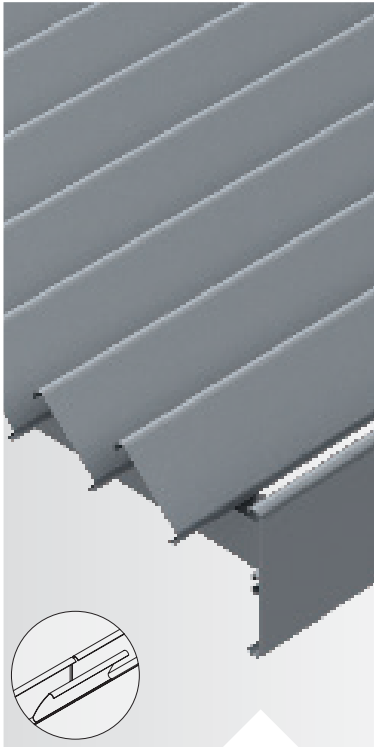


4 SCREW THE FASCIA PROFILE ON THE BRACKETS

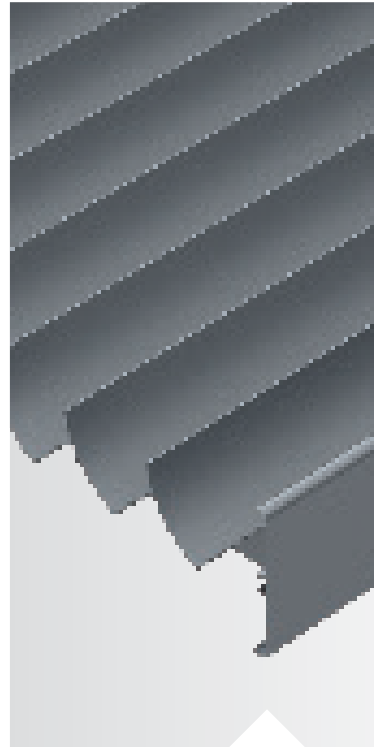


4 SCREW THE END CAPS ON THE BRACKETS

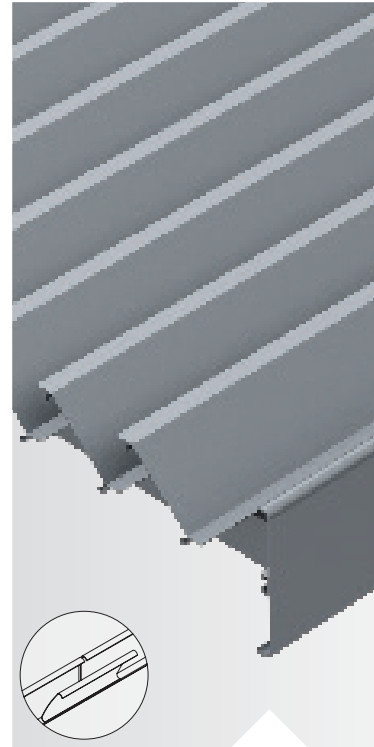




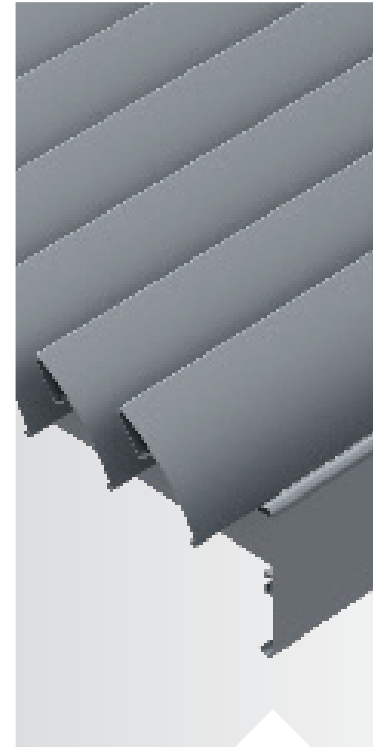
C100



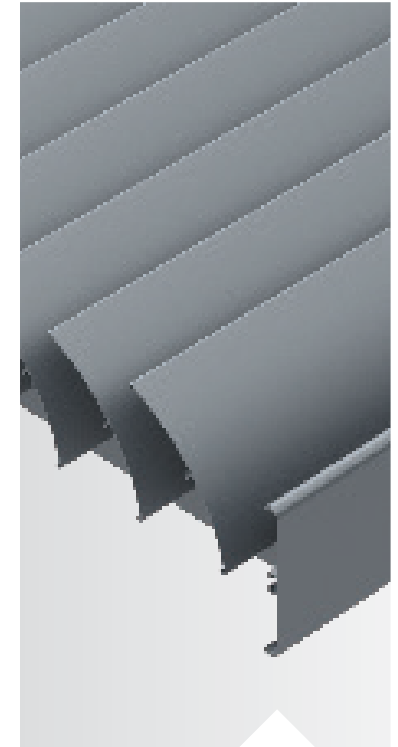
C100C



C100Z

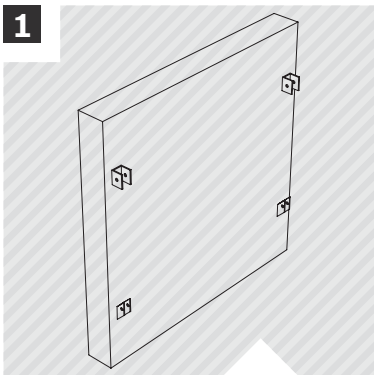


C130

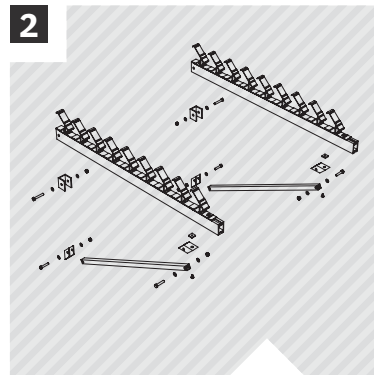


C180

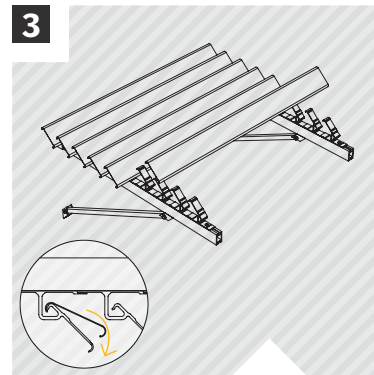
CANICULE



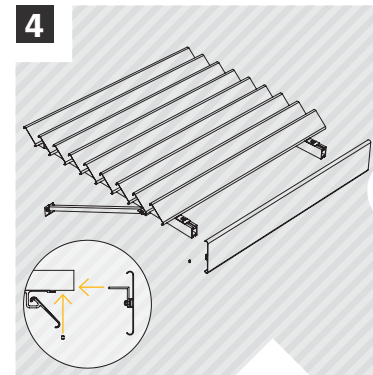
1
FIX THE HINGE BRACKETS ON THE FACADE



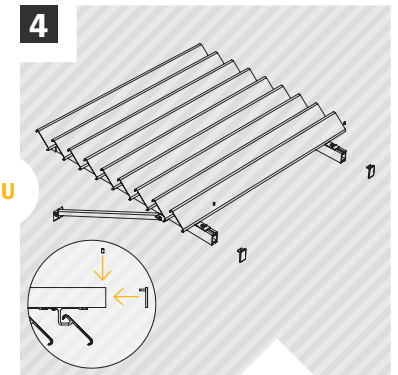
2
SCREW THE SUPPORTS AND STRAIN CABLE ON THE HINGE BRACKETS



3
CLIP ON THE BLADES ON THEIR SUPPORTS



4
SCREW THE FASCIA PROFILE ON THE BRACKETS



4
SCREW THE END CAPS ON THE BRACKETS

OU



BRISE-SOLEIL

CANICULE

COMPOSITION

Our Canicule Brise-Soleil (with a vertical installation) is composed of:

- › Support profiles, see p. 89 ;
- › Blades' supports with a 30° or 45° inclination;
- › Blades in C shape.

Dimensions of the supports are confirmed after design.

Standard blade and fascia profile lengths are 5000 and 6000 mm (other lengths available upon request).

MISE EN ŒUVRE

Vertical installation and interlocking blades. Provides a simple and quick way to install your Brise-Soleil:

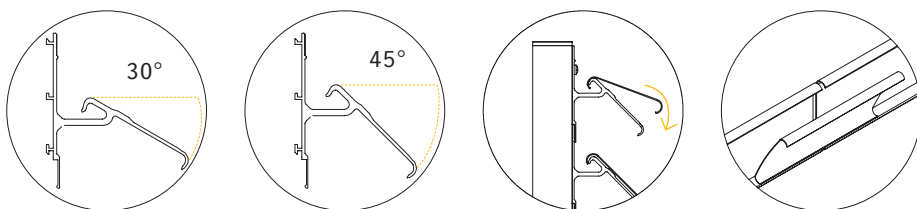
- › The blade supports are delivered pre-assembled on the support profiles;
- › The support profiles equipped with blade supports are fixed onto the facade (wall, structure, etc.);
- › The blades are clipped on their supports;

Blades' junction: Splicing bar system for blades C100 et C100Z (see diagram) - splicing bar system for brackets C100C, C130 and C180.



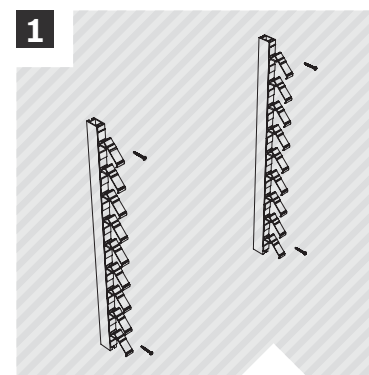
Mall Avaricum, BOURGES (18)

Architect: Arte Charpentier Architectes | Installation: Bernardi

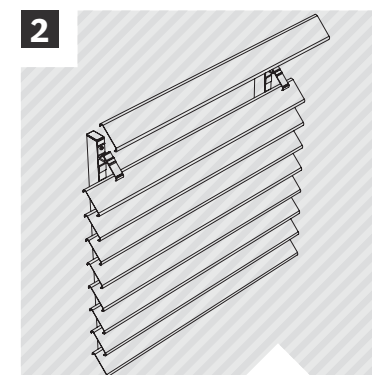


Max. span (in mm) :	C100	C100C	C100Z	C130	C180
At 30°	1800	/	1800	/	/
At 45°	1800	1200	1800	2000	2000

Calculated for wind load 1050 Pa. Other pressures available upon request.



1
FIX THE BRACKETS ON THE FACADE



2
CLIP THE BLADES ON THEIR SUPPORTS



DISCOVER SOME OF OUR **PROJECTS**:



Restaurant, LA POUËZE (49)
Architect: SARL Terrien Architectes | Installation: Menuiserie Menard

Cours Maintenon, TOULON (83)
Architect: Detroyat architecte | Installation: Maria Aluminum



CANICULE

Automobile du Cormier, CHOLET (49)
Architect: IGC Etudes | Installation: Alugo





BRISE-SOLEIL

CANICULE

COMPOSITION

Our **Canicule Brise-Soleil** (applied in cassette or flat end plates) is composed of:

- › Blades' flanges: cassette system, flat end plates;
- › Blades in C shape: C130.

Dimensions of the brackets are confirmed after design.

Standard blade and fascia profile lengths are 5000 and 6000 mm (other lengths available upon request).

APPLICATION

Application with cassette system, or flat end plates provides a simple and quick way to install your **Brise-Soleil**:

- › The blades are screwed between the mounting flanges;
- › The modules are fixed on the facade;

Modules are delivered pre-assembled upon request.

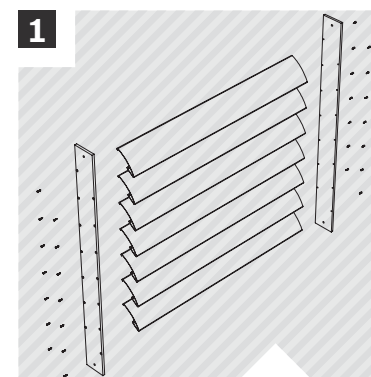


EDS, VILLENEUVE SAINT GEORGES (94)
Architect: Jorge Magalhaes Architecte | Installation: CMH

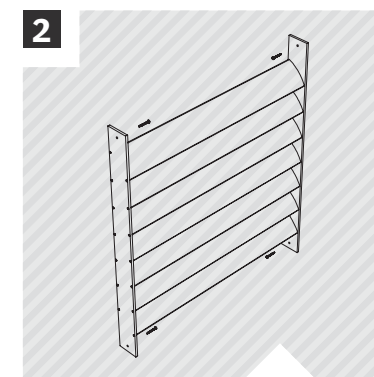


Max. span (in mm) :	C130
At 45°	2200

Calculated for wind load 1050 Pa. Other pressures available upon request.



1
SREW THE BLADES BETWEEN THE FLAT END PLATES



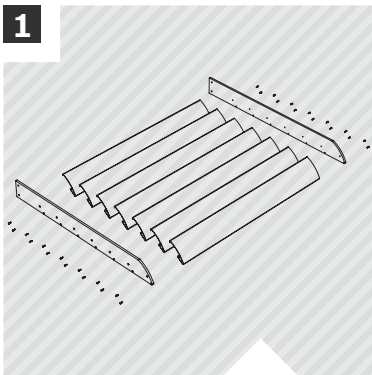
2
FIX THE ASSEMBLY ON THE FACADE



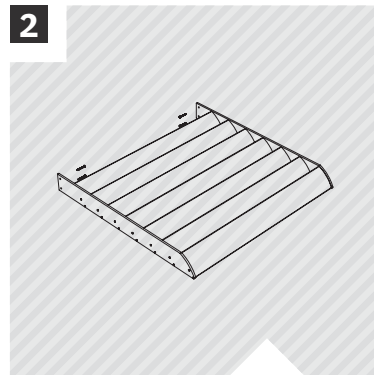
DISCOVER SOME OF OUR **PROJECTS**:



Public swimming pool, CAUDRY (59)
Architect: Jacques Rougerie | Installation: Denis Plastalu



1
SCREW THE BLADES BETWEEN THE END PLATES



2
FIX THE ASSEMBLY ON THE FACADE

Depending on the overhang, cassettes can be equipped with strain cables or braces - see p. 89.



School, LE POIRÉ SUR VIE (85)
Architect: Britton & Claude | Installation: Menuiserie Bertrand

RANGE

HARMONIE FAÇADE

- › Elegant and requiring no maintenance, our range of Harmonie Façade decorative blades is designed to enhance the aesthetics of the facade of all type of building. They will give life to any of your achitectural projects.
- › A modern design and no apparent screws or bolts, our decorative blades are composed of two elements: a support profile to fix directly to the facade and a hood profile to clip on the support profile. Adaptable on any type of configuration, the interlocking system enable a quick and easy installation.
- › Finally, and to provide you with a wide choice, our range of decorative blades offer a large array of finishing options (powder-coated, wood finishing, etc.).
- › The Harmonie Façade interlocking blades have an innovative fixation system and have been registered at the French National

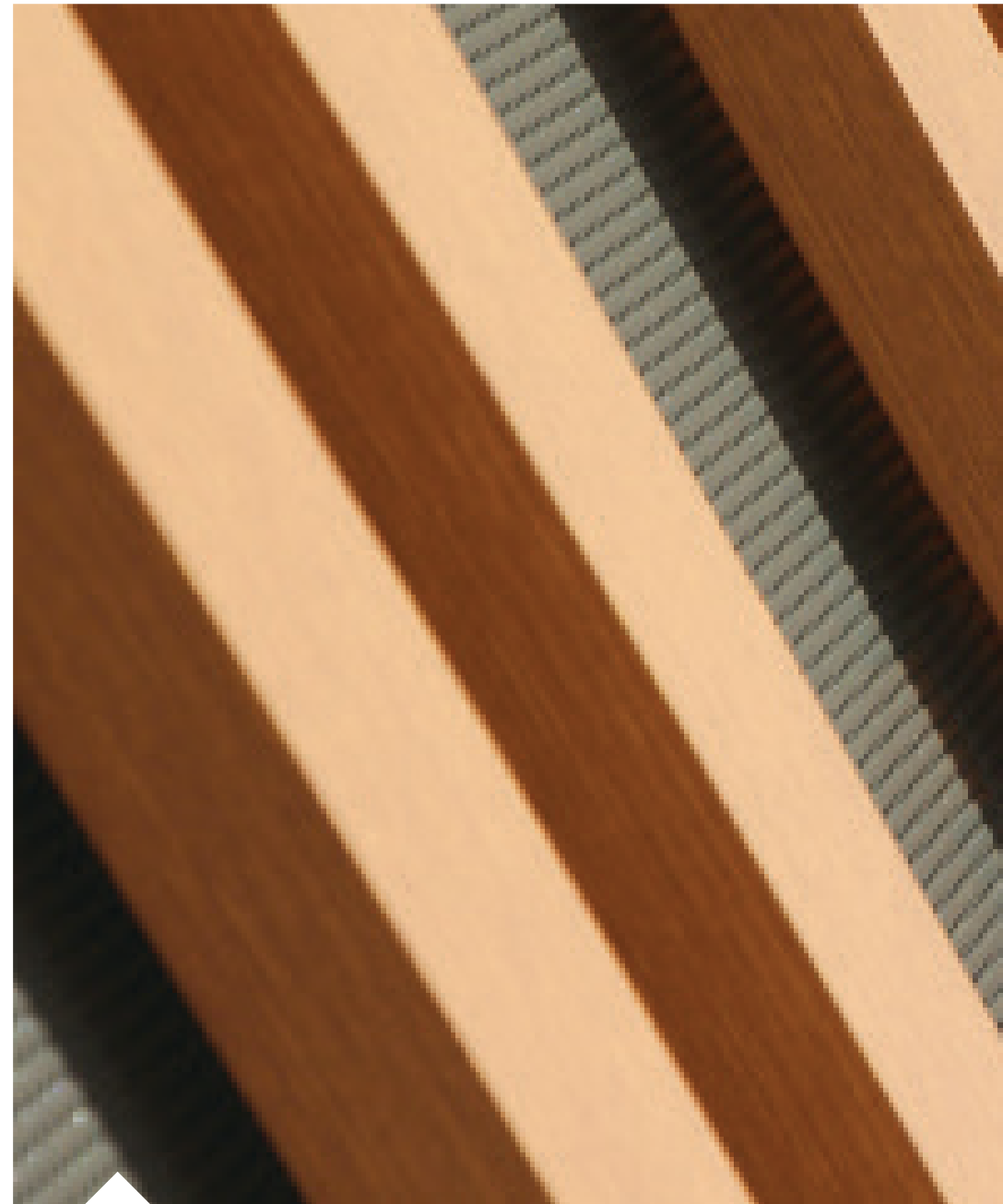
Patent Office - INPI.

Available configuration: front mount.



KEY FEATURES

- + **NUMEROUS TYPES OF FINISHING**
- + **INVISIBLE FIXATION (NO VISIBLE SCREWS)**
- + **ADAPTABLE ON ALL TYPES OF FACADES**
- + **MULTIPLE APPLICATIONS & COMBINATIONS**
- + **SIMPLICITY & RAPIDITY OF INSTALLATION (INTERLOCKING BLADES)**



Carrefour, HAZEBROUCK (59)

Architect: ASE PRODUCT Architectes | Project manager: Maning (59) | Installation: Isobac Acier (59)



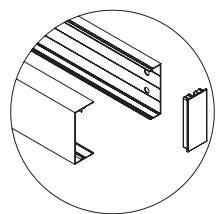
RANGE

HARMONIE FAÇADE

DESCRIPTION

- › TELLIER Brise-Soleil provides you with a large range of interlocking blades. Sturdy and performant, they are part of fix Brise-Soleil and can be adjusted on any type of facades.
- › Blades of the Harmonie Façade range are interlocking profiles with a square or rectangular shape in extruded Aluminum. They are mainly used for: Brise-Soleil, screen and facade cladding. Available in 10 different sections.

Other shapes and sections upon request.



MATERIAL

- › Blades: Aluminum 6060 T6, extruded (N573-3);

Stainless steel screws & bolts.

FINISHING

- › Powder-coating following RAL color chart (60-80 microns);
- › Powder-coating wood effect (60-80 microns);

Our finishing options are certified: Qualicoat, Qualimarine, and Qualideco.



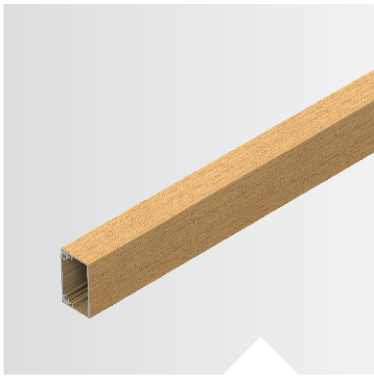
Carrefour, MAUBEUGES (59)
Architect: Guerin & Pedroza | Installation: Isobac Acier

Type of blade:	HF30 x50	HF42 x100	HF42 x200	HF80 x80	HF100 x50	HF100 x100	HF150 x50	HF150 x100	HF200 x50	HF200 x100
Section (mm)	30x50	100x42	200x42	80x80	100x50	100x100	150x50	150x100	200x50	200x100
Perimeter (mm)	232+154	388+297	536+297	413+219	370+154	502+369	497+230	601+369	597+230	700+369
Weight (gr/ml)	812	1397	3483	1860	1665	2670	2360	3326	3070	4097
Section modulus ix (cm ⁴)	4,1	15,1	32,9	56,3	25,6	133,8	39,7	376,4	54,2	808,8
Section modulus iy (cm ⁴)	10,6	73,1	452	66,2	85	148,3	248,7	200,9	551,7	262,8



Carrefour, VILLIERS-EN-BIÈRE (77)
Architect: ASE PRODUCT Architectes | Installation: Galopin

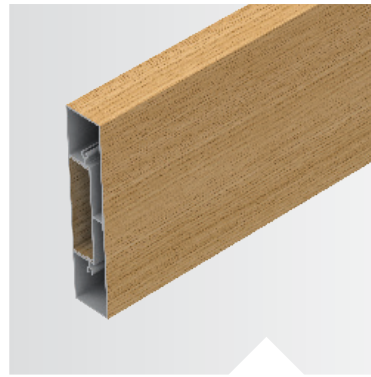
DISCOVER OUR COMPLETE RANGE OF **INTERLOCKING BLADES**:



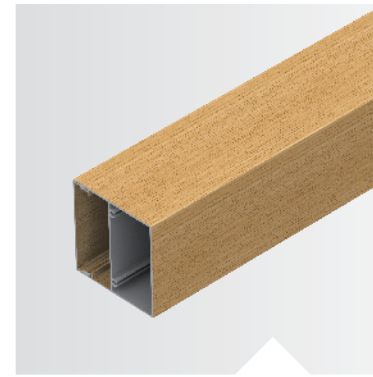
HF30x50



HF42x100



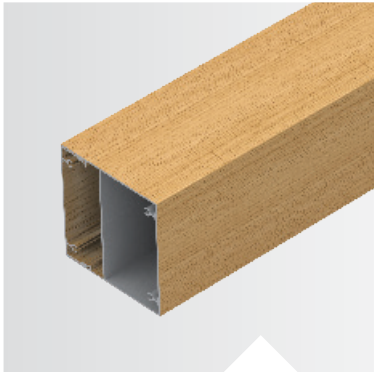
HF42x200



HF80x80



HF100x50



HF100x100



HF150x50



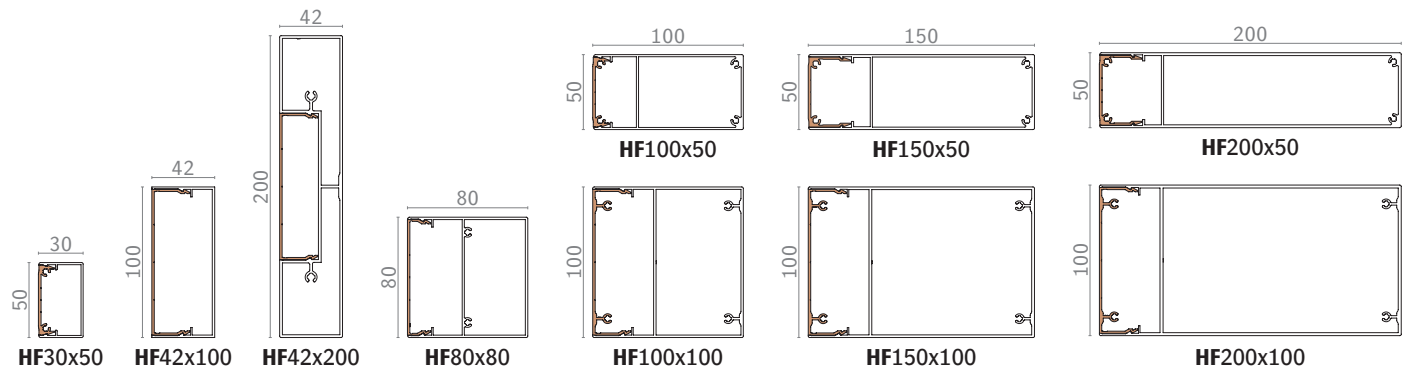
HF150x100



HF200x50



HF200x100



DECORATIVE BLADES

HARMONIE FAÇADE

COMPOSITION

The Harmonie Façade decorative blade is composed of:

- › Support profile (HFS) ;
- › Hood profile (HFC) ;
- › End caps.

Standard blade lengths are 4000, 5000 and 6000 mm (other lengths available upon request).

End cap of the HF42x100 is made in ABS.

MISE EN ŒUVRE

The front mount application system provides a simple and quick way to enhance your facade:

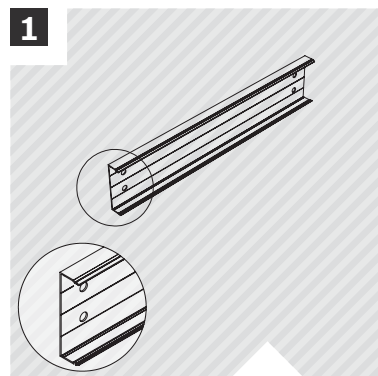
- › The support profiles HFS are to be drilled and fixed to the facade;
- › The hood profiles HFC are to be clipped on the support profiles HFS ;
- › The end caps are to be glued or screwed at both ends of the blade;
- › The blade is to be drilled and secured;
- › Assembly at the customer's charge.



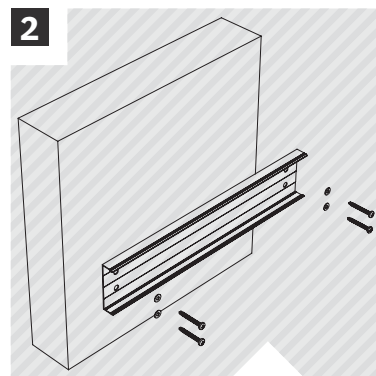
Max. span (in mm) :	HF30 x50	HF42 x100	HF42 x200	HF80 x80	HF100 x50	HF100 x100	HF150 x50	HF150 x100	HF200 x50	HF200 x100
Between 2 points	1500	2750	3000	3000	1500	3500	2500	3500	2500	3500

Calculated for wind load 1050 Pa (extreme pressure in zone 2 / altimetry below 10 m). Other pressures available upon request.

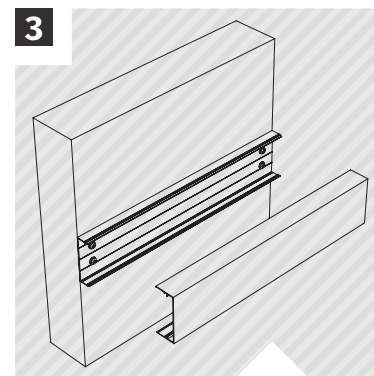
Carrefour, CRÊCHES-SUR-SAÔNE (71)
Architect: ASE PRODUCT Architectes | Installation: Pallanche



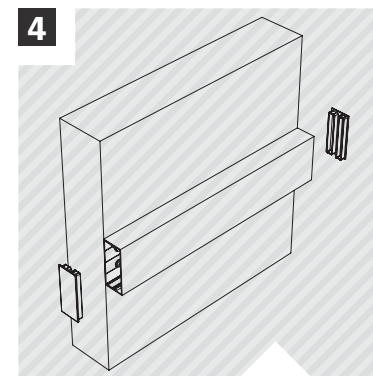
1
PRE-DRILL THE SUPPORT PROFILE



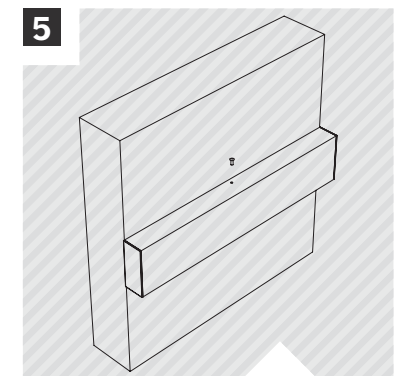
2
FIX THE SUPPORT PROFILE ON THE FAÇADE



3
CLIP THE HOOD PROFILE ON THE SUPPORT PROFILE



4
GLUE OR DRILL THE END CAPS



5
DRILL AND SECURE THE BLADE



DISCOVER SOME OF OUR **PROJECTS**:



Carrefour
Installation: Mediaplus



Autovision, FLINS-SUR-SEINE (78)
Architect: Comodis Ingénierie | Installation: Soteba RSR



Carrefour, DOUAI (59)
Architect: ASE PRODUCT Architectes | Installation: Isobac Acier



HARMONIE FAÇADE

Carrefour, NEVERS (58)
Architect: ASE PRODUCT Architectes | Installation: Micholet Métallerie

RANGE

FAÇAD'LIGNE

- › Cooling down the building through natural ventilation can prevent you from using an air conditioning system, or even cancel its need. Our Façad'Ligne vents range is designed to ensure an intensive ventilation while concealing them with a screen. They also allow the design of ventilation grids.
- › Sturdy and performant, our range of aluminum vents facade cladding creates a screen to protect and conceal the unpleasant elements of the building. Adaptable on all types of façade or roof, they are composed of a structural support with blades' supports on which the blades are clipped on (invisible fixation). The interlocking system provide a quick and easy installation.
- › The aluminum ventilation grids are composed of a frame in which the aluminum blades are fixed. They are delivered pre-

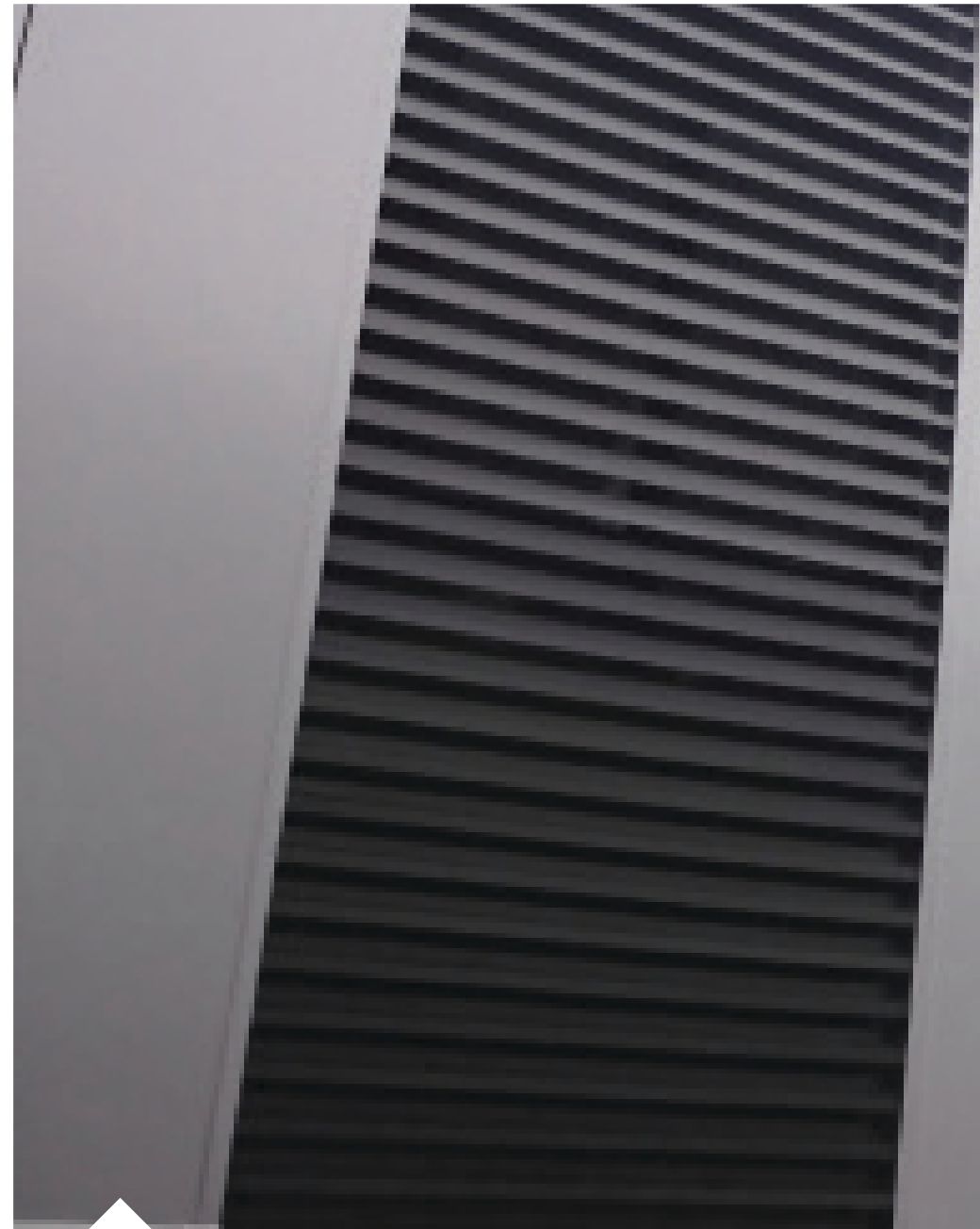
assembled and are available in: front mount, flush mount and lap mount.

- › Finally, and to provide you with a wide choice, our range of vents offer a large array of sections and finishing options (anodized, powder-coated, etc.).

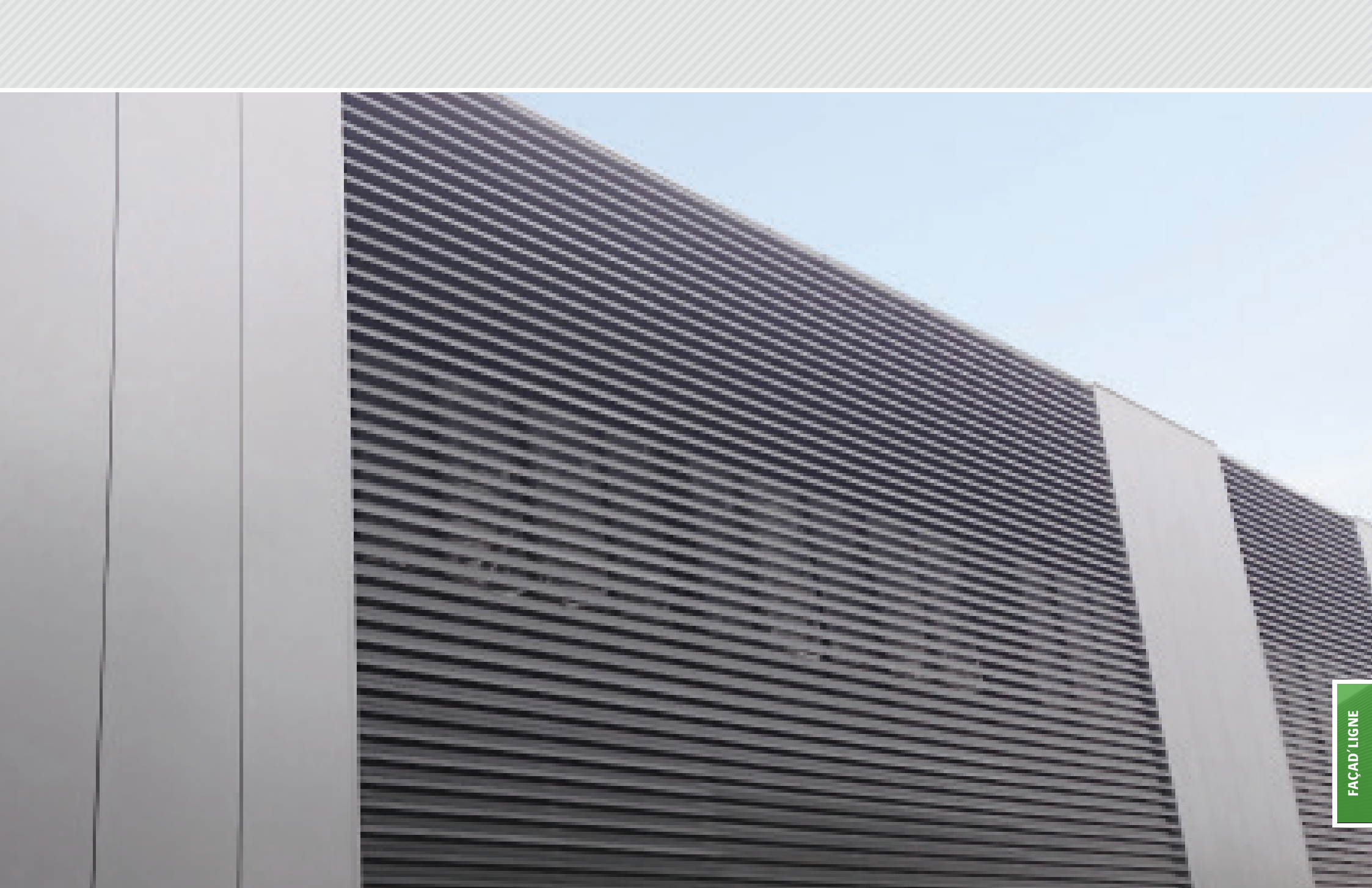
Available configurations: vertical installation

KEY FEATURES

- + **ECONOMIC (PREVENT FROM USING AN AIR CONDITIONING SYSTEM)**
- + **COMPLETE CONCEALMENT WHILE LETTING THE AIR THROUGH**
- + **ADAPTABLE ON ALL TYPES OF FACADES**
- + **SIMPLICITY & RAPIDITY OF INSTALLATION (INTERLOCKING BLADES)**
- + **POSSIBILITY TO BEND THEM**



Webhelp, LACROIX-SAINT-OUEN (60)
Architect: BG Concept | Installation: Galopin



FAÇAD' LIGNE

RANGE

FAÇAD'LIGNE

DESCRIPTION

- › TELLIER Brise-Soleil provides you with a complete range of vents. Concealing while letting the air through, they will ventilate and enhance the aesthetics of your building. They are adaptable on all types of façade.
- › The Façad'ligne vents range are composed of simple extruded aluminum profiles. They are mainly used as ventilation grids and screens and can be used as Brise-Soleil. Available in 11 different sections.

Other shapes and sections upon request.

OPTIONS

- › Simple or double door cladding (frame at the customer's charge);
- › Mosquito net or rodent/insects guard.

MATERIAL

- › Blades: Aluminum 6060 T6, extruded (N573-3);
- › Supports: Aluminum or stainless steel.

Stainless steel screws & bolts.

FINISHING

- › Powder-coating following RAL color chart (60-80 microns);
- › Anodized (20 microns).

Our finishing options are certified: Qualicoat, Qualimarine, Qualanod, etc.



Crédit Agricole, GUYANCOURT (78)
Installation: Poulingue

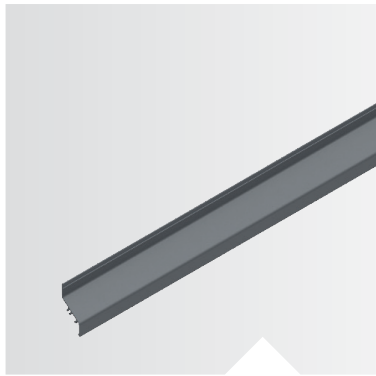
Type of vent:	FL340	FL500	FL500C	FL600	FL700	FL700C	FL700F	FL700S	FL1000	FL1200	FL2500
Section (mm)	39x19	60x40	52x33	60x78	57x75	55x46,5	50x75	57x75	100x65,6	120x90	169x219
Perimeter (mm)	123	182	153	227	234	171	202	238	325	387	644
Weight (gr/ml)	183	301	252	426	443	327	664	454	544	865	2327
Passage d'air optique (en %)	65	72	74	90	80	90	*	90	81	65	*
Passage d'air libre (en %)	35	50	50	75	54	56	*	56	52	52	*
Section modulus ix (cm ⁴)	0,1	0,2	0,1	0,03	0,4	0,2	0,8	0,6	0,6	6,5	1,9
Section modulus iy (cm ⁴)	0,9	5,1	3	13,4	12,7	5,5	14,2	13,5	30,3	55,9	533,8

* Depending on the pitch between blades, see p. 68.

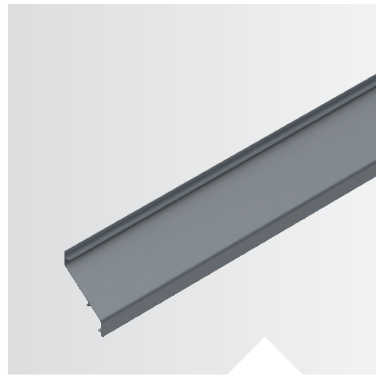


High School Nord, LA RÉUNION (97)
Architect: Alain Bocquée | Installation: Atelier du Port

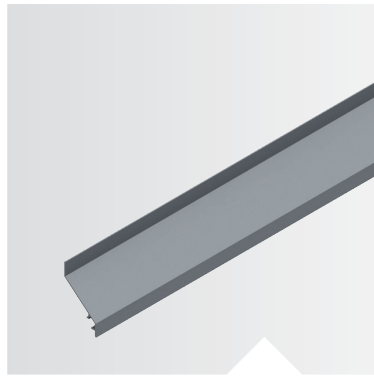
DISCOVER OUR COMPLETE RANGE OF **VENTS**:



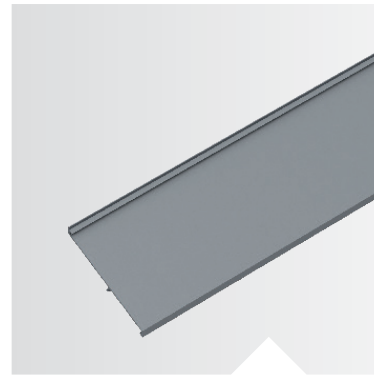
FL340



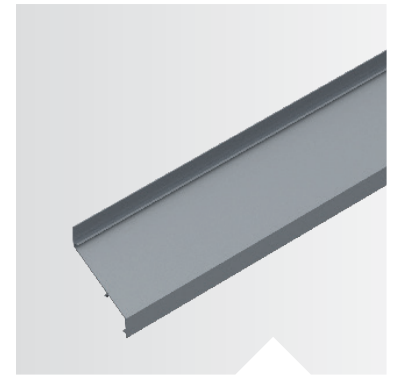
FL500



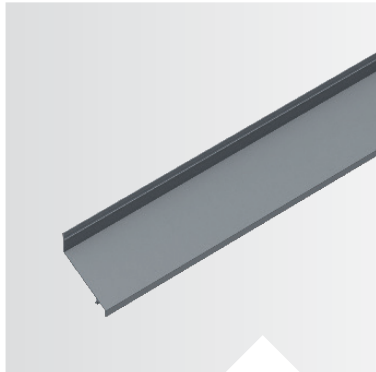
FL500C



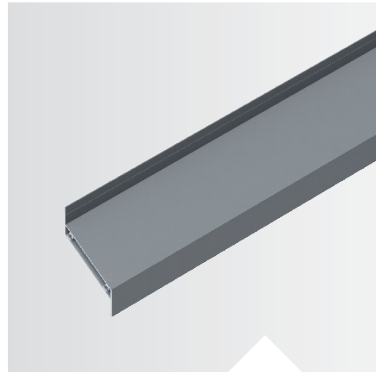
FL600



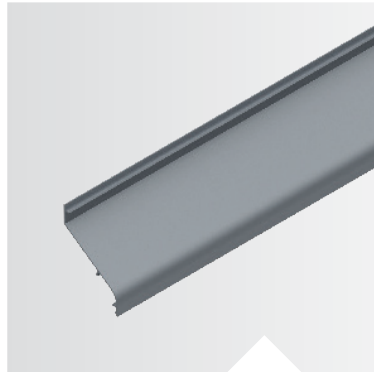
FL700



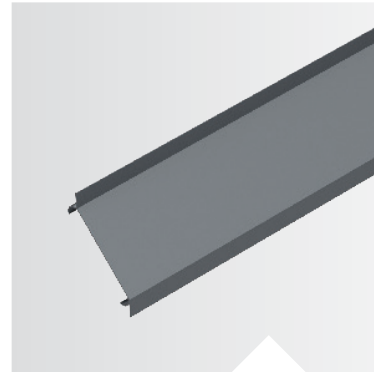
FL700C



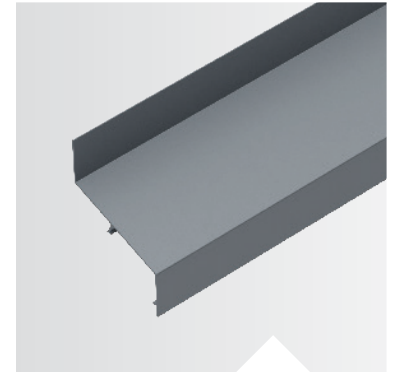
FL700F



FL700S



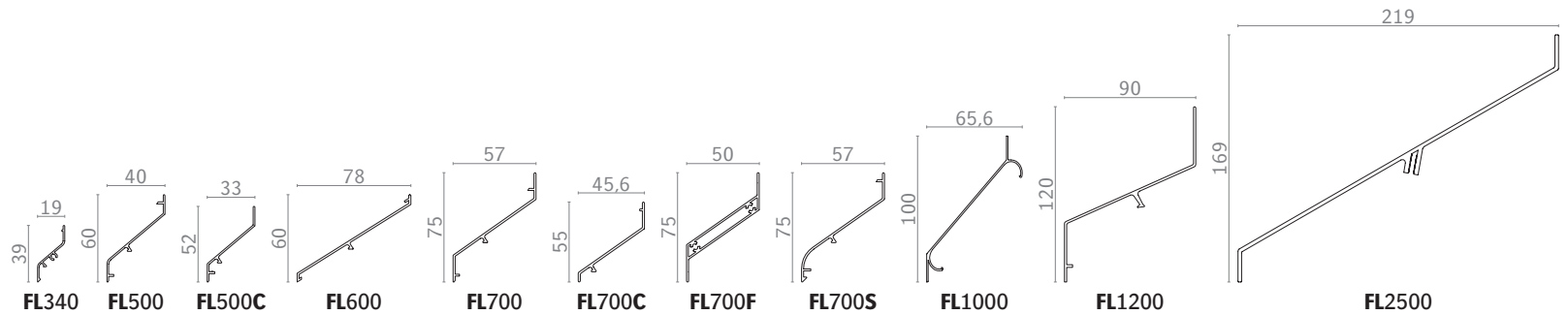
FL1000



FL1200



FL2500



Blade to screw Flat end plates



Download our documentation on www.tellierbrisesoleil.com.



BARDAGE À VENTELLES

FAÇAD' LIGNE

COMPOSITION

The Façad'Ligne vents cladding is composed of:

- › Brackets, see p. 89 ;
- › Blades' supports;
- › Blades in Z shape.

Dimensioning of the brackets is confirmed after design.

Standard blade lengths are 5000 and 6000 mm (other lengths available upon request).

APPLICATION

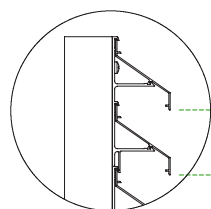
The fixation system of this vents cladding provides a simple and quick way to install the elements:

- › The blades' supports are delivered pre-assembled on the support profiles;
- › The support profiles equipped with the blades' supports are to be fixed on the facade;
- › The blades are to be clipped on their supports;
- › Assembly at the customer's charge.

Brise-Soleil application upon request (picture of application type below).



ESA, ANGERS (49)
Architect: ESA Cabinet Rolland | Installation: Ets Brault



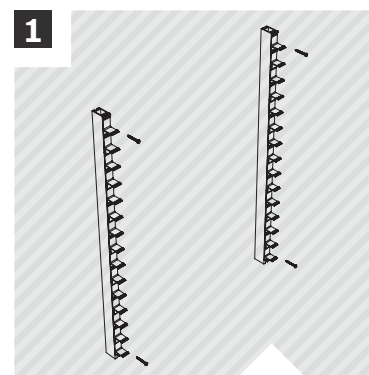
Pitch between the blades



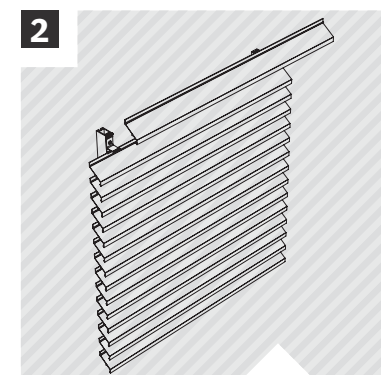
Type of vents:	FL340	FL500	FL500C	FL600	FL700	FL700C	FL700S	FL1000	FL1200	FL2500
Mini. pitch (mm)	34	50	50	60	68	68	68	100	120	*
Max. span (mm)	750	1400	1000	1000	1500	1200	1500	1800	2000	2000

Calculated for wind load 1050 Pa (extreme pressure in zone 2 / altimetry below 10 m). Other pressures available upon request.

* Tailor-made.



1
FIXE THE BRACKETS ON FACADE



2
CLIP THE BLADES ON THEIR SUPPORT



DISCOVER SOME OF OUR **PROJECTS**:



Ephad, CORON (49)
Architect: AD Quation & Arcature | Installation: Caillaud bois



Roofs, SAINT-OUEN (93)
Architect: Reichen & Associates | Installation: Métallerie de l'Authion



22 houses îlot 27, POINTE À PITRE, GUADELOUPE (97)
Architect: Genarchi | Installation: Métalu



VENTS CLADDING

FAÇAD' LIGNE

COMPOSITION

The Façad'Ligne vents cladding is composed of:

- › Mounting flanges: flat end plates (tailor-made dimensions) ;
- › Blades in Z shape: FL700F.

Dimensions of the mounting flanges are confirmed after design (thickness and material).

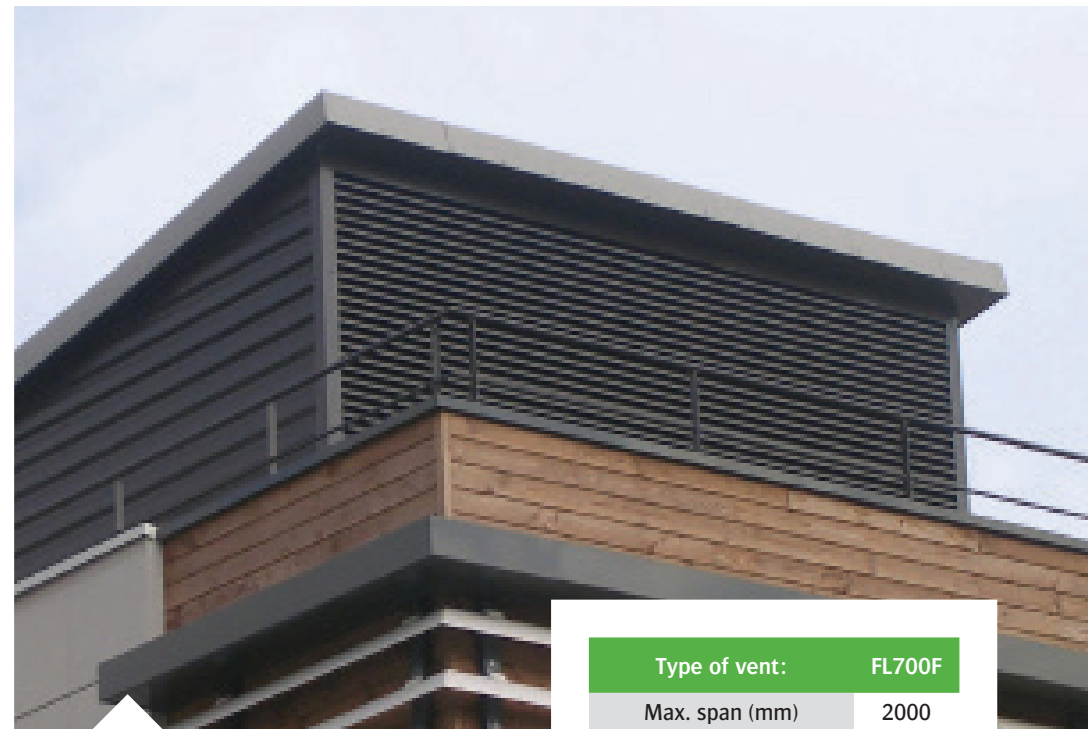
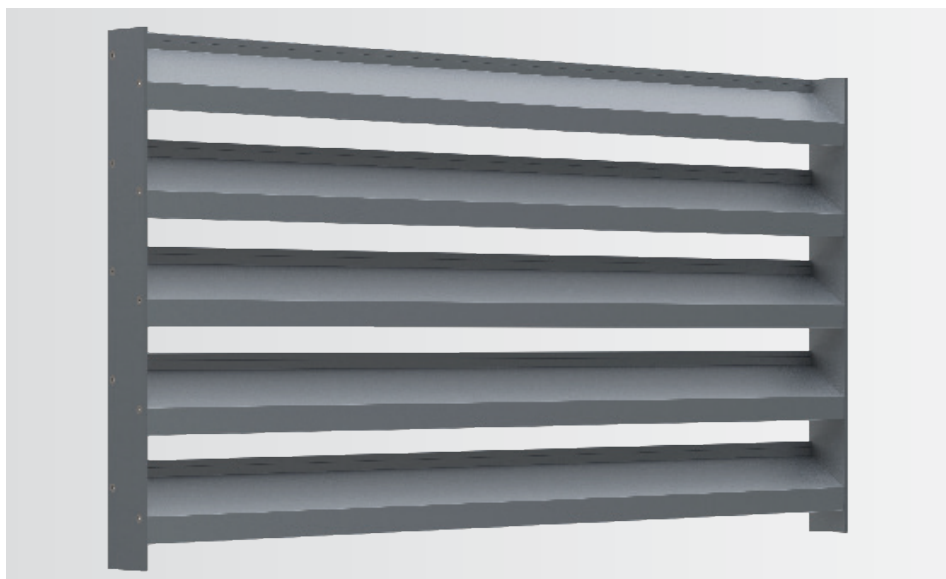
Standard blade lengths are 5000 and 6000 mm (other lengths available upon request).

APPLICATION

The fixation system of this vents cladding provides a simple and quick way to install the elements:

- › The blades are screwed between the flat end plates;
- › The modules are delivered pre-assembled and are to be fixed on the facade;
- › Assembly at the customer's charge.

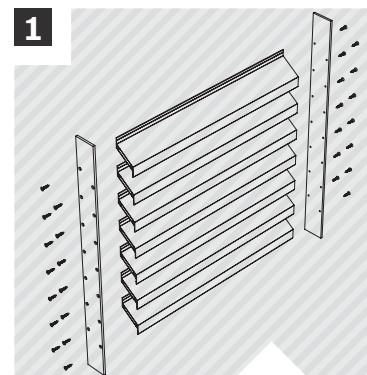
Horizontal or vertical Brise-Soleil application upon request.



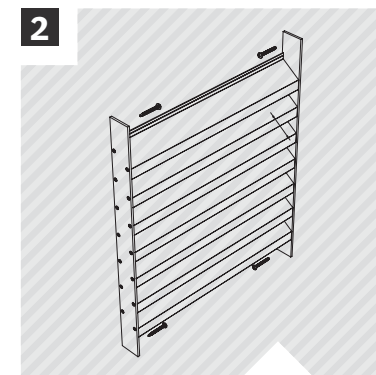
Type of vent:	FL700F
Max. span (mm)	2000

Lakanal, ANGERS (49)
Architect: Logeais & Associés | Installation: Brault SARL

Calculated for wind load 1050 Pa (extreme pressure in zone 2 / altimetry below 10 m). Other pressures available upon request.



1
SCREW THE BLADES BETWEEN THE FLAT END PLATES



2
FIX THE ASSEMBLY ON THE FACADE



DISCOVER SOME OF OUR **PROJECTS**:



BSMA, MAYOTTE (97)

Architect: A.M.A Atelier Mahorais d'Architecture | Installation: Stylalu - Soléa





VENTILATION GRIDS

FAÇAD' LIGNE

COMPOSITION

La grille de ventilation Façad'Ligne est composée de :

- > Frame: flat (front mount), corner piece (flush mount) and U type (lap mount);
- > Blades in Z shape: GRM34 (Blade FL340), GRM50 (Blade FL500) and GRM70 (Blade FL700).

Grids available in different types of application - see tab below.

APPLICATION

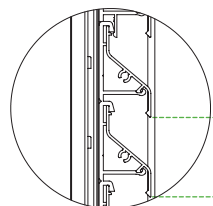
The fixation system of this vents cladding provides a simple and quick way to install the elements:

- > The blades are fixed on the frame and the ensemble is delivered pre-assembled ;
- > The ventilation grids are fixed to the facade (front mount, flush mount or lap mount).

Options available: Fiberglass mosquito net or galvanized steel/stainless steel rodent guard.



Bâtiment, MELESSE (35)
Installation: Suire & Associés

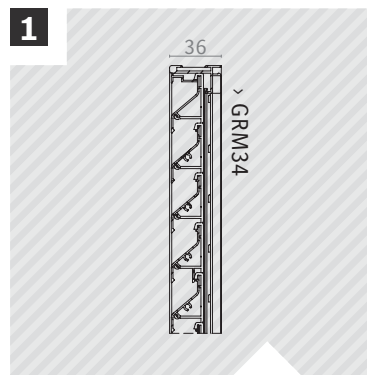


Pitch between the blades

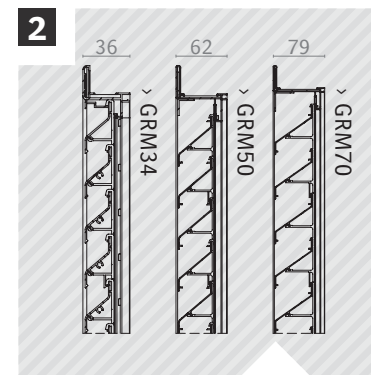
Type of grid:	GRM34	GRM50	GRM70
Type of blade	FL340	FL500	FL700
Mini. pitch between the blades (mm)	34	50	68
Optical passage of air (in %)	68	78	80
Free passage of air (in %)	36	49	54

Front mount	✓	✗	✗
Flush mount	✓	✓	✓
Lap mount - 24 mm*	✓	✓	✗

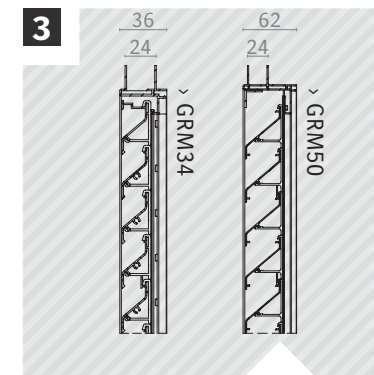
*Installation in a carpentry in replacement of a glass.



FRONT MOUNT



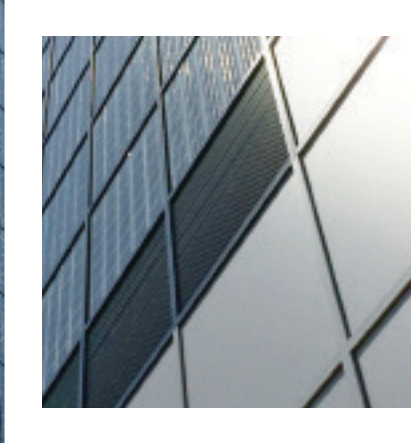
FLUSH MOUNT



LAP MOUNT (24MM)



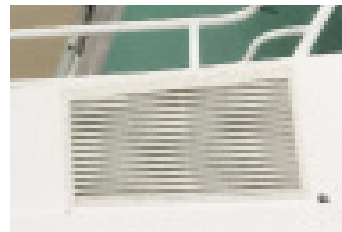
DISCOVER SOME OF OUR **PROJECTS**:



Residence Porte Neuve, NANTES (44)
Architect: Barre Lambot Architectes | Installation: Sofradi



Residence Lénine, SAINT-DENIS (93)
Installation: Ateliers David



Wallis 26
Installation: Transmetal Industrie

RANGE

VARANGUE

- › An ideal solution for solar protection for the building envelope requirements, our range of full or louvered shutters is designed to protect and conceal a glazed surface. They are available with total concealment (screen) or partial concealment (Brise-Soleil). In Brise-Soleil application, the pitch of the blade ensure a sun protection up to a 45° angle. In screen application, the blades have a 2 mm overlay to ensure a complete concealment.
- › Beyond their functional aspect, our shutters are neat elements to enhance your facade. From the individual house to the multi-units buildings, our shutters will blend into any type of facade (balconies, loggias, terraces...) and into any architectural style of building.
- › Innovating and adjustable, our range of

shutters offer a wide variety of infills (ovoid «aerofoil» blade, oblong blade, trapezoidal blade, etc.) and finishing options (powder-coated, wood finishing, etc.). Full or louvered, they are made from extruded profiles in aluminum. The supports of the frame are secured with stainless steel screws & bolts. The blades are secured by being glued between ladders and beaded to the frame.

- › Finally, our shutters are tailor-made in our workshops and are available in different versions: fix, flexible and sliding (simple or multi-flaps).

KEY FEATURES

- + **WIDE DIMENSIONS AVAILABLE WITH THE BOREAL RANGE**
- + **MULTIPLES APPLICATIONS : FIX, FLEXIBLE AND SLIDING**
- + **LARGE OFFER OF INFILLS: FULL, MIXED AND LOUVERED**
- + **HIGH-QUALITY FINISHING**
- + **OPTIONS: MOTORIZATION, LOCK, INVISIBLE GUIDING SYSTEM, ETC.**



Residence CROUS, VILLETANEUSE (93)
Architect: Sepra Architecture | Installation: Cougnaud et SMAC



RANGE

VARANGUE

DESCRIPTION

- › TELLIER Brise-Soleil provides you with a complete range of full, mixed or louvered shutters. Sturdy and performant, they can be adjusted on any type of facades. A modern design, our shutters are neat elements to enhance your facade.
- › The Varangue shutters are available in fix, flexible and sliding versions. They are mainly used for: Brise-Soleil, screen, concealing panels or facade elements. Available in 2 different versions (Boreal and Austral) available in a large selection of shapes, dimensions and materials.

Other shapes and sections upon request.

OPTIONS

- › Motorization;
- › Lock / blockage;
- › Invisible guiding system;
- › Etc.

MATERIAL

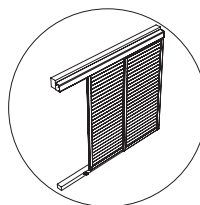
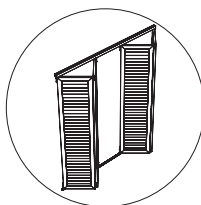
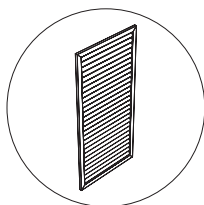
- › Frame and Blades: Aluminum 6060 T6, extruded (N573-3);
- › Other materials upon request.

FINISHING

- › Powder-coating following RAL color chart (60-80 microns);
- › Powder-coating wood effect (60-80 microns);

Our finishing options are certified: Qualicoat, Qualimarine, Qualidéco, etc.

For any type of application: available in front mount or between tiles.



Type of Application:	Fix Shutters	Flexible Shutters	Sliding Shutters
AUSTRAL Version	✓	✓	✓
BOREAL Version	✓	✗	✓

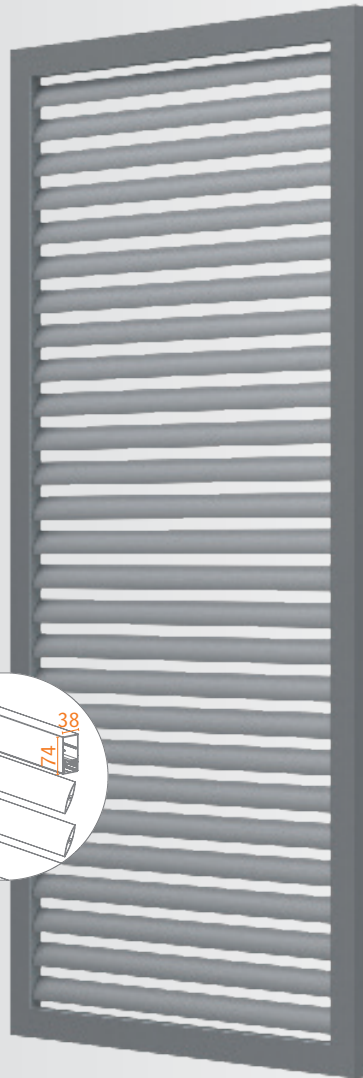


DISCOVER OUR COMPLETE RANGE OF **SHUTTERS**:

AUSTRAL SHUTTER

Beaded and glued

Frame 74x38 mm

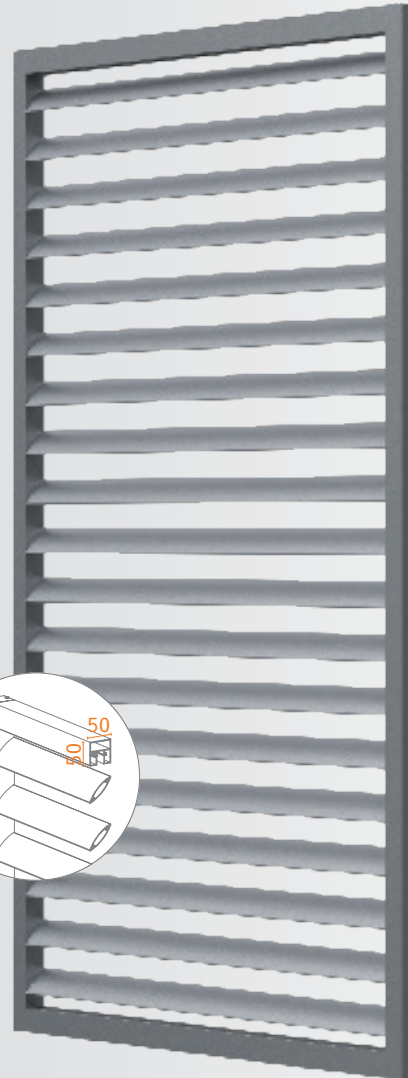


STANDARD

BOREAL SHUTTER

Blades screwed with invisible fixation system

Frame 50x50 mm



WIDE DIMENSIONS



House, CAVAGNAC (46)
Architect: Armelle Delon | Installation: AB Menuiserie



Download our documentation on
www.tellierbrisesoleil.com.



VARANGUE SHUTTERS

AUSTRAL

COMPOSITION

The full or louvered Varangue Australe shutters are composed of:

- > Frame for sliding shutters 74x38 mm: tubular structure with straight cut and grooves (assembly of the supports with screws and bolts);
- > Frame for fix and flexible shutters 74x38 mm: tubular structure with mitre-cut (assembly of the supports with mounting brackets);
- > Infill: blades (ovoid «aerofoil», flush or oblong) or full.

APPLICATION

The fixation system of the Varangue Austral shutters provides a simple and quick installation:

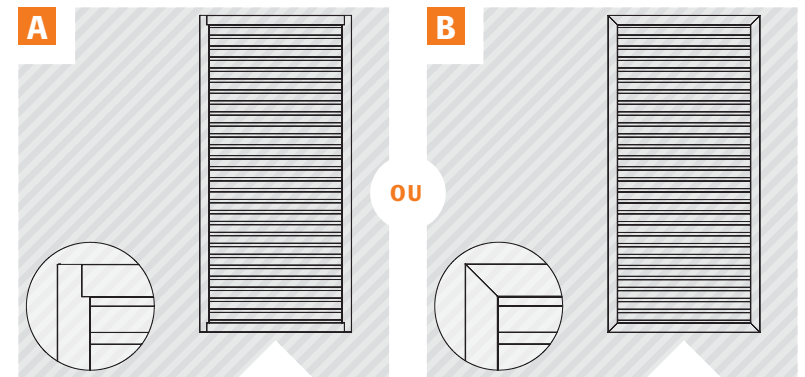
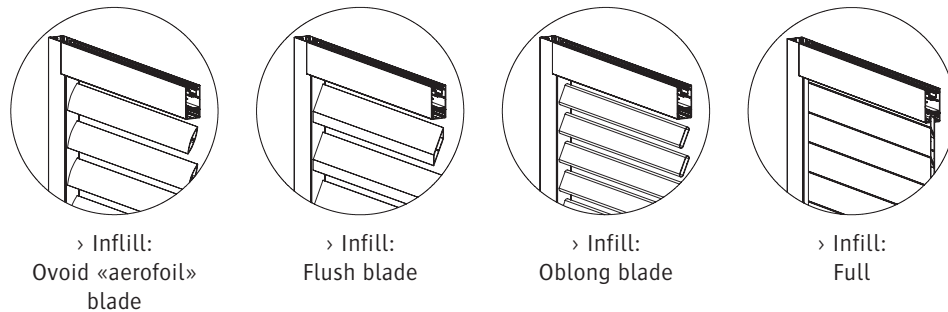
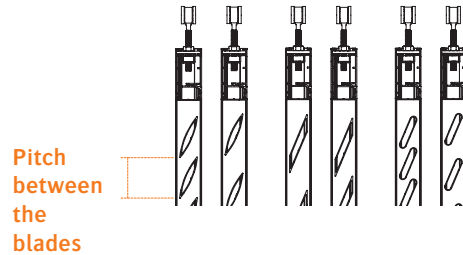
- > The blades are beaded and glued between the supports of the frame (shutters are delivered pre-assembled);
- > The shutters are to be installed on the facade (type of installation: fix, flexible or sliding);
- > Assembly at the customer's charge.

Options available: motorization, lock / blockage, invisible guiding system, etc.



Foyer Portail, SAINT-LEU (97)
Architect: Faessel-boehe Thierry | Installation: AFGOI - Soléa

Pitch between the blades (mm)	Ovoid «aerofoil» blade	Flush blade	Oblong blade
Screen	59	84	46
Brise-Soleil	85	110	67



NOTES:

- > Max. Width: 1100 mm
- > Max. Height: 2500 mm

Dimensioning and type of frame are confirmed after design.

DISCOVER SOME OF OUR **PROJECTS**:



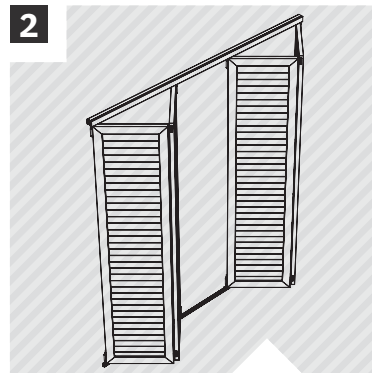
House, SAINT-GEORGES-DES-GARDES (49)



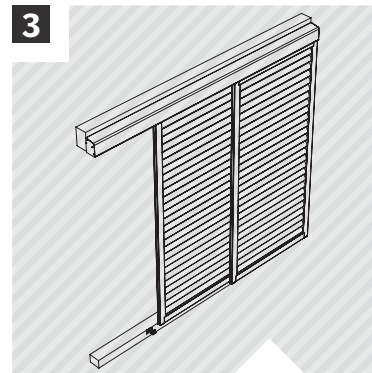
Multi-units building J.J. Rousseau, SOISSONS (02)
Architect: Bellière-Manière Architectes | Installation: Aark



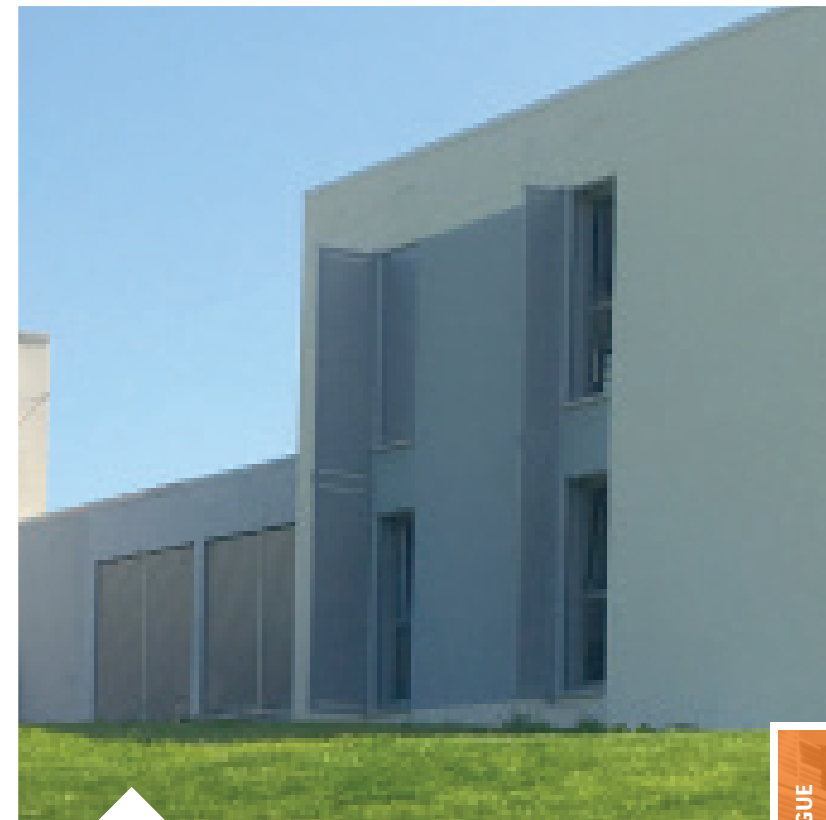
FIX SHUTTERS



FLEXIBLE SHUTTERS



SLIDING SHUTTERS



Auxilium
Installation: Dacos Menuiserie



Download our documentation on
www.tellierbrisesoleil.com.



VARANGUE SHUTTERS

BOREAL

COMPOSITION

Le volet persienné Varangue Boréale is composed of:

- > Frame: tubes 50x50 mm or flat end plates with tubular supports 50x50 mm (top and bottom);
- > Infill: ovoid «aerofoil» blades AZUR (see p. 8-9), rectangular or trapezoidal blades RECTI'LIGNE (see p. 26-27) and blades in Z shape Façad'Ligne (FL700F see p. 70-71).

APPLICATION

The fixation system of the Varangue Boreal shutters provides a simple and quick installation:

- > The blades are screwed between the supports of the frame (shutters are delivered pre-assembled);
- > The shutters are to be installed on the facade (type of installation: fix, flexible or sliding);
- > Assembly at the customer's charge.

Options upon request: motorization, movable blades with manual maneuver (all types of application) or with motorized maneuver (only available in fix application), lock / blockage, invisible guiding system, etc.

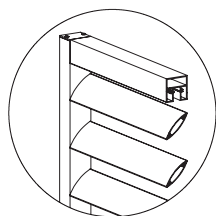


Hospital, DOUÉ-LA-FONTAINE (49)
Architect: Pascal Perin Houdon | Installation: Franchet

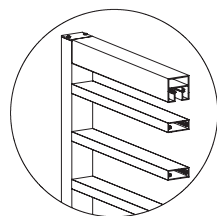


NOTES:

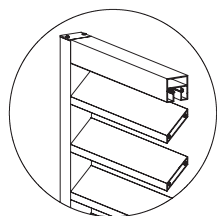
- > Ideal for wide dimensions,
- > New frame with no apparent screws,
- > Movable blades upon request.



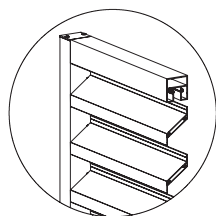
> Infill:
Ovoid «aerofoil»
blade



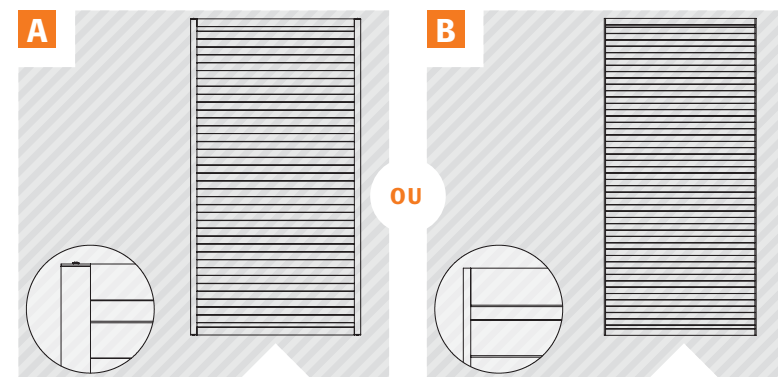
> Infill:
Rectangular blade



> Infill:
Trapezoidal blade



> Infill:
vent in Z shape



A
FRAME WITH
50X50 MM TUBES

B
FRAME WITH ALUMINUM
PLATES

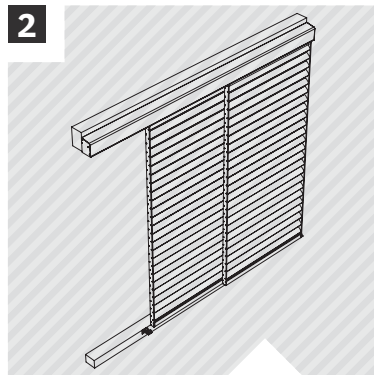
DISCOVER SOME OF OUR **PROJECTS**:



Sofim, CYSOING (59)
Architect: Agence HAWA | Installation: Secoferm



FIX SHUTTERS



SLIDING SHUTTERS

CHU, PONTOISE (95)
Architect: RTV Architectes



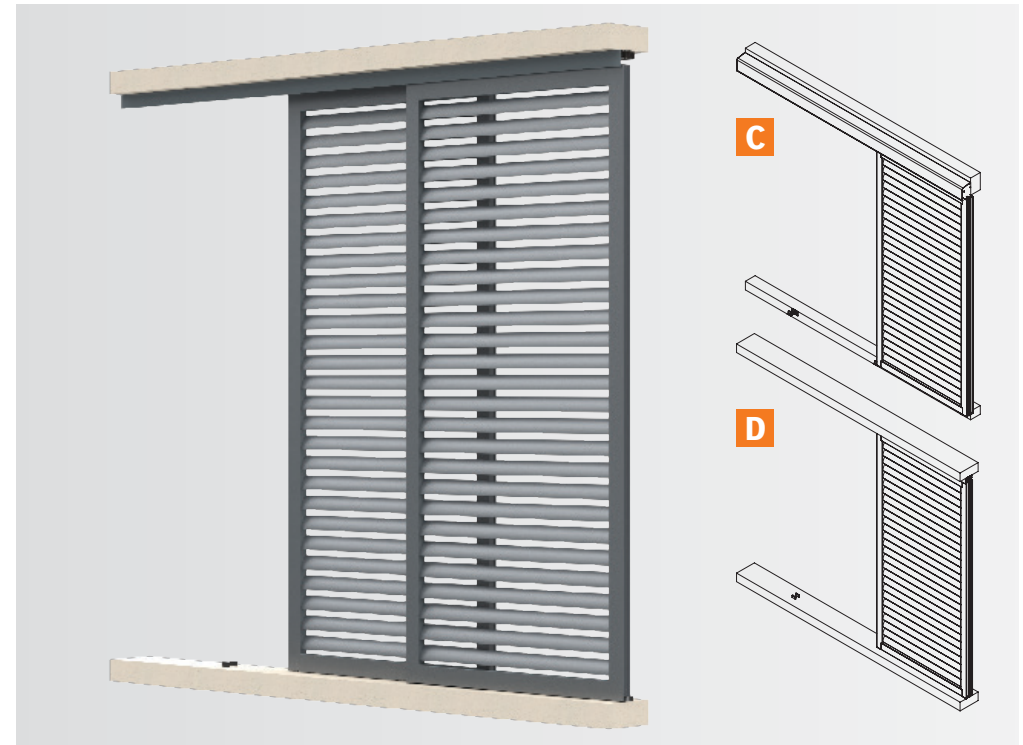
Le Grand Mail, TOULOUSE (66)
Architect: Atelier Gary | Installation: L'univers'selle



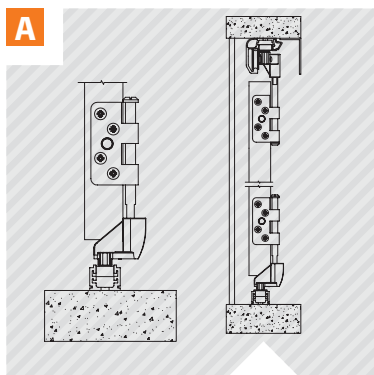
Download our documentation on
www.tellierbrisesoleil.com.



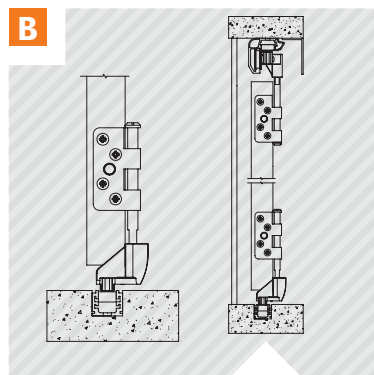
FLEXIBLE SYSTEM



SLIDING SYSTEM



FRONT RAIL
MULTI-FLAPS

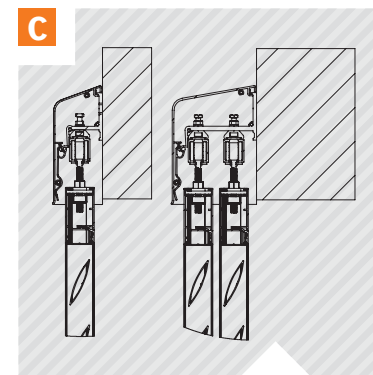


BUILT-IN RAIL
MULTI-FLAPS

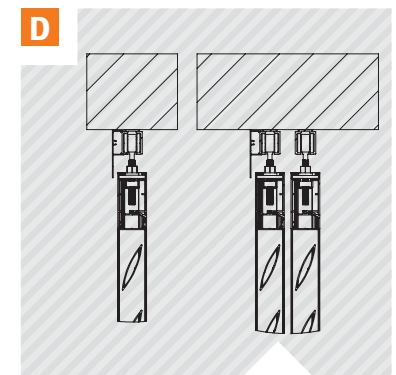


NOTES:

> The number of shutters must always be even (ex: 2, 4, etc.).



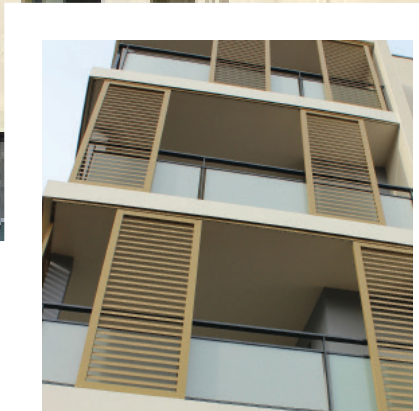
FRONT MOUNT
SIMPLE AND MULTI-FLAPS



TUNNEL MOUNT
SIMPLE AND MULTI-FLAPS



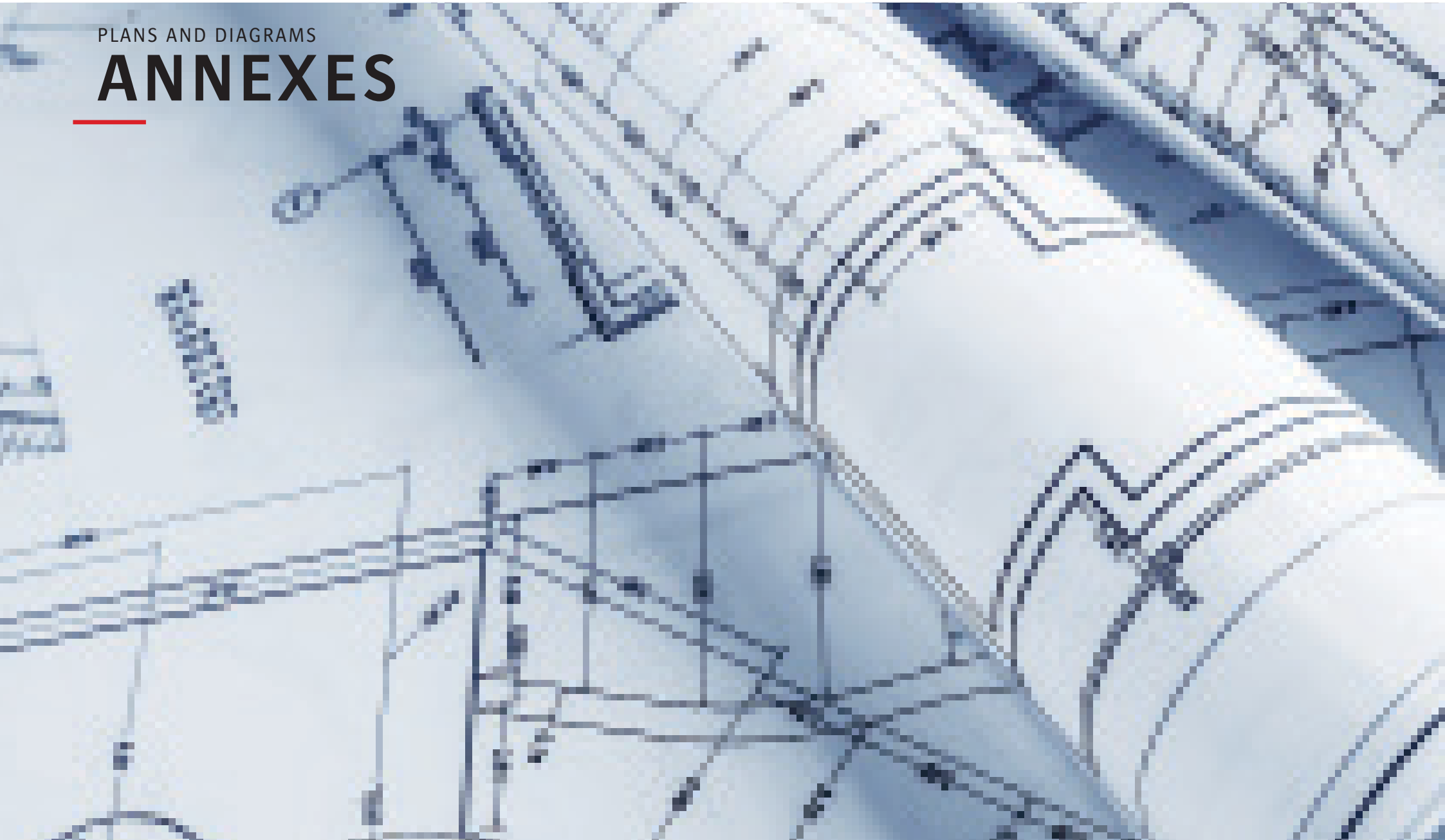
DISCOVER SOME OF OUR **PROJECTS**:

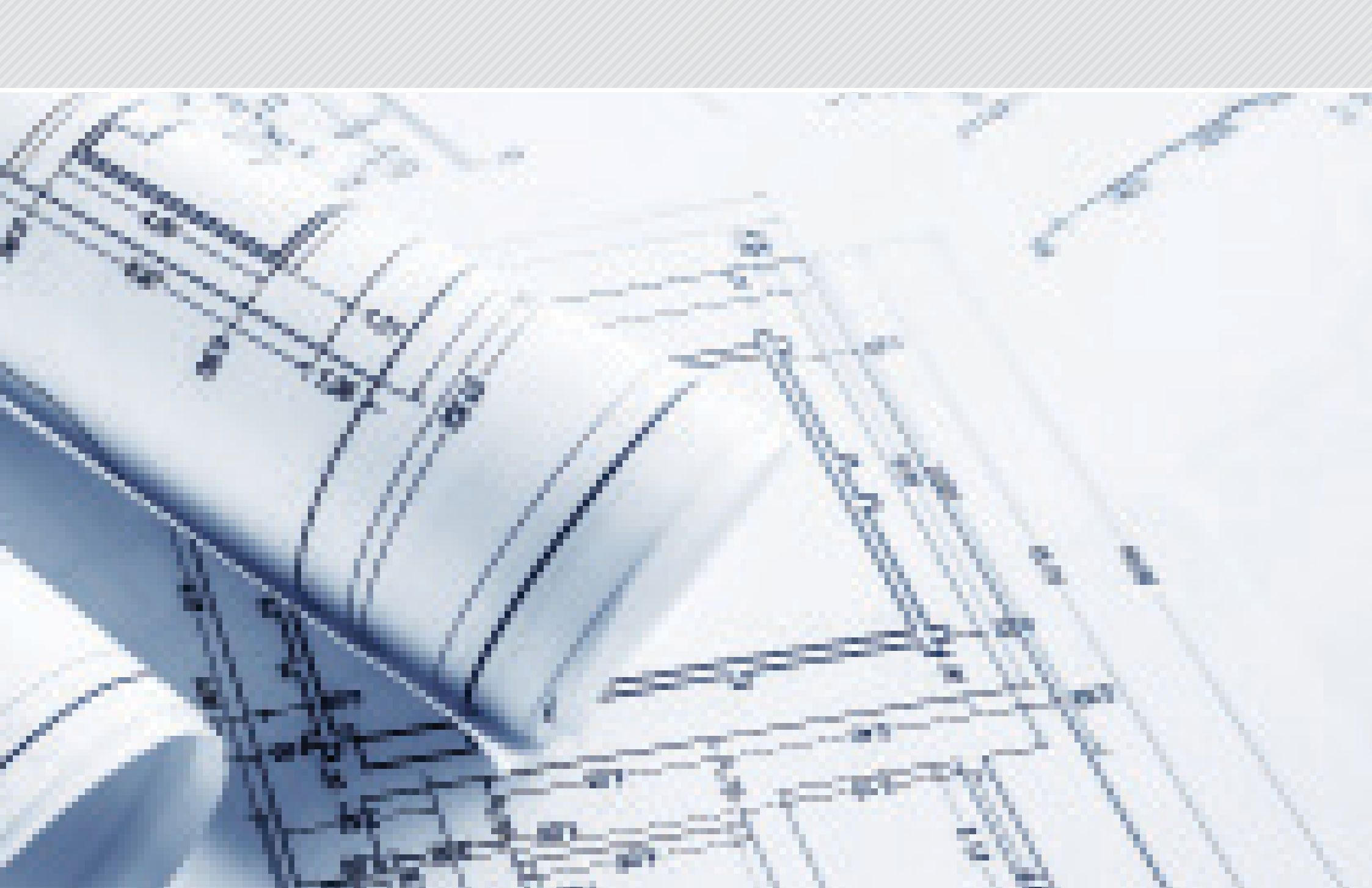


Villa Erdre, NANTES (44)
Architect: DG2A | Installation: Gaudin Métallerie

PLANS AND DIAGRAMS

ANNEXES





BRISE-SOLEIL

MULTI-MATERIAL

COMPOSITION

The fixed or movable Brise-Soleil is composed of:

- › Blades or multi-Material panel (supply at the customer's charge) ;
- › Blades' supports: standard or reinforced models;
- › Mounting flanges: cassettes, or comb/flat end plates, 90° direct fix end plate, etc.

Standard blade lengths are 5000 and 6000 mm (other lengths available upon request).

INSTALLATION

› Contact us.

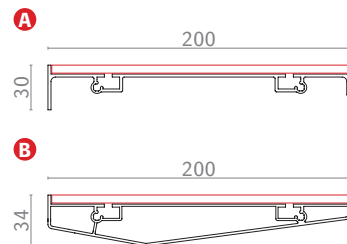
MATERIAL

› Blades' supports: Aluminum 6060 T6, extruded (N573-3).

FINISHING

› Powder-coating following RAL color chart (60-80 microns);

Our finishing options are certified: Qualicoat, Qualimarine, etc.

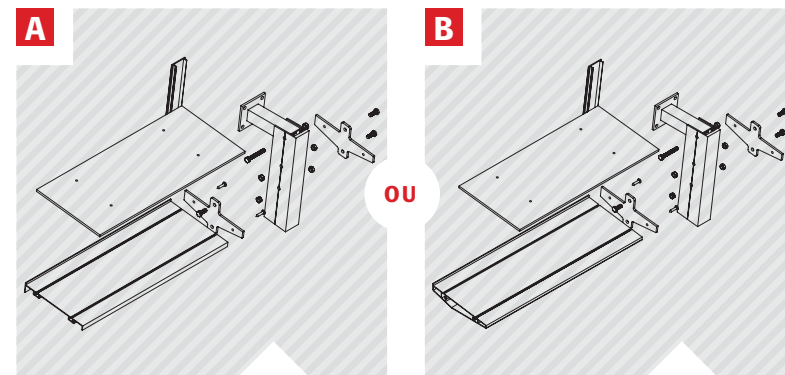


Type of blade's support:	A) Standard support	B) Reinforced support
Section (mm)	200x30	200x33
Perimeter (mm)	626	536
Weight (gr/ml)	1716	2212
Section modulus ix (cm ⁴)	272,9	308,5
Section modulus iy (cm ⁴)	1,59	6,59



Activity hub Antillopôle, GUADELOUPE (97)
Architect: Luc Martz & Associés | Installation: Métalu

Example of application with 90° direct fix end plate



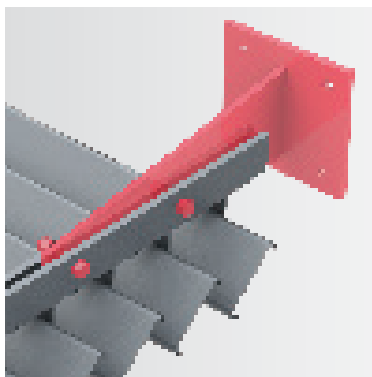
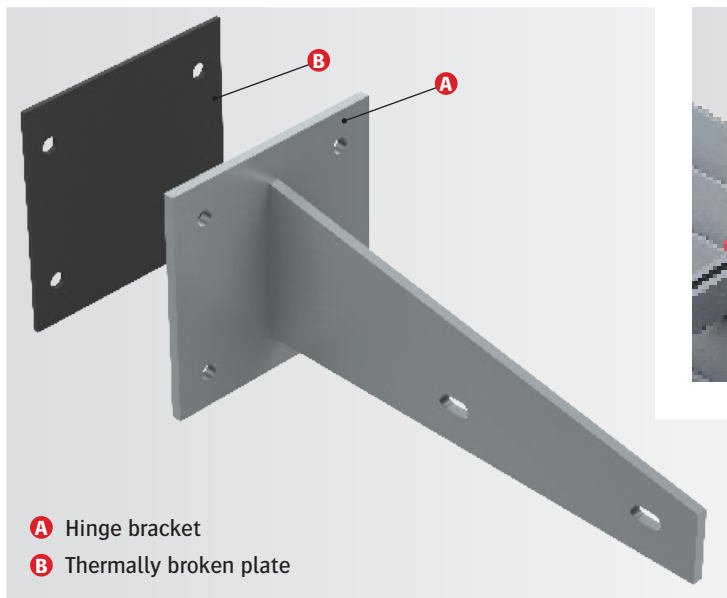
MULTI-MATERIAL STANDARD SUPPORT

MULTI-MATERIAL REINFORCED SUPPORT

DISCOVER SOME OF OUR **PROJECTS**:



Download our documentation on
www.tellierbrisesoleil.com.



CHARACTERISTICS

- › T shape hinge bracket : stainless steel flat 304 L thickness 6 mm cut and welded;
- › Thermally broken plate: type SBR elastomer.

Screw and bolts not supplied.

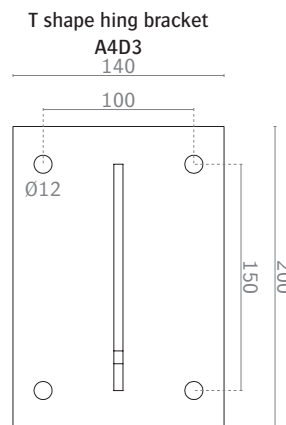
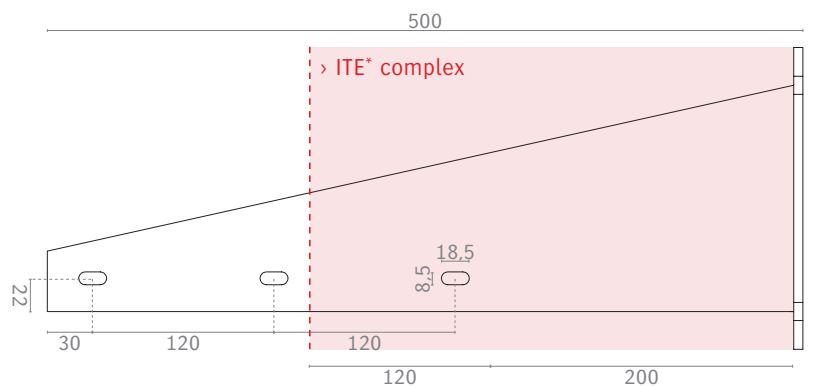
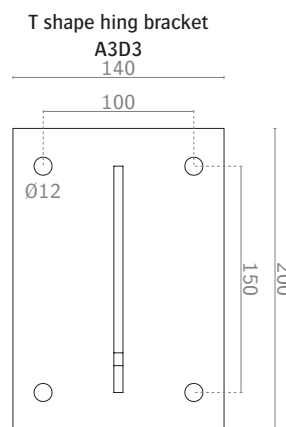
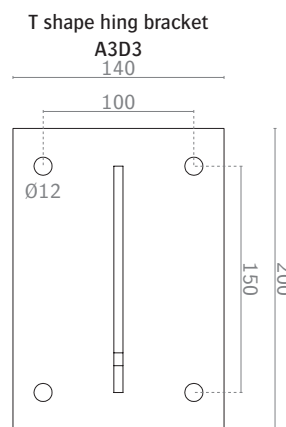
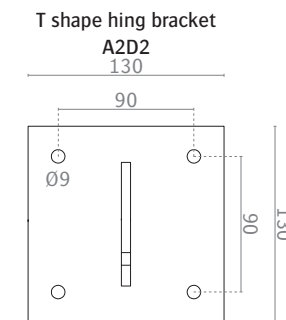
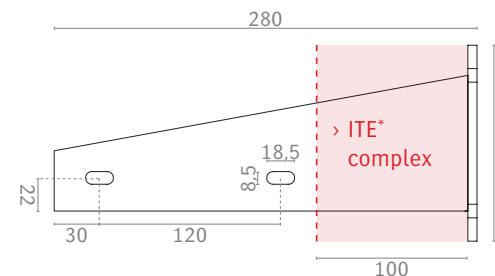
INSTALLATION

- › The hinge brackets can be pre-installed. The Brise-Soleil will then be installed on them.

THERMALLY BROKEN PLATE APPLICATION

- › The thermally broken plates are used to ensure the thermal insulation between the hinge brackets supporting the Brise-Soleil and the facade of the building when a thermal insulation complex exists.
- › These plates are to be installed at the same time of the hinge brackets between these last ones and the building's facade.

*ITE : External Thermal Insulation (Isolation thermique extérieure).



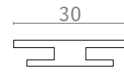
BRACKETS AND BRACES

CHARACTERISTICS

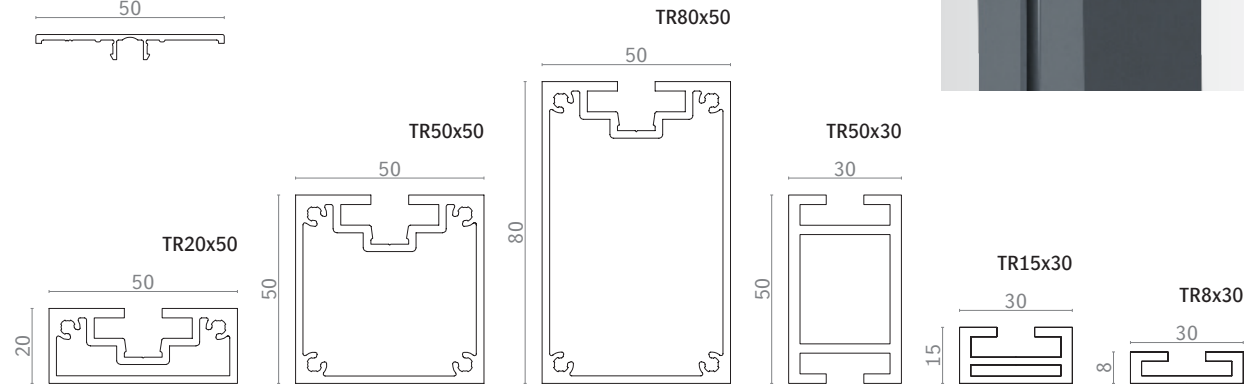
› Extruded Aluminum profile 6060 T6 (N573-3).

Type of bracket:	TR 20x50	TR 50x50	TR 80x50	TR 50x30	TR 15x30	TR 8x30
Section (mm)	20x50	50x50	80x50	50x30	15x30	8x30
Perimeter (mm)	199	259	319	248	134	118
Weight (gr/ml)	1077	1505	1829	1323	597	362
Section modulus ix (cm ⁴)	1,92	19,15	25,96	6,60	0,51	0,11
Section modulus iy (cm ⁴)	10,62	19,68	62	13,19	2,37	1,43

Bracket 30 (sliding)



Bracket 50 (interlocking)



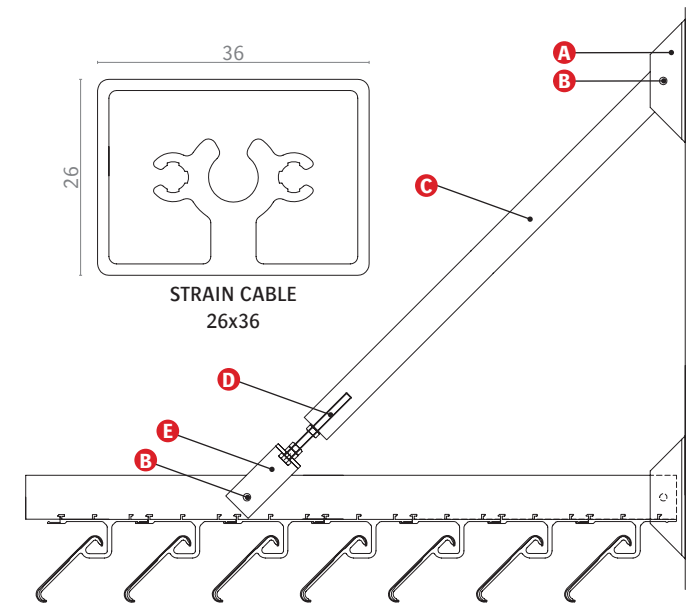
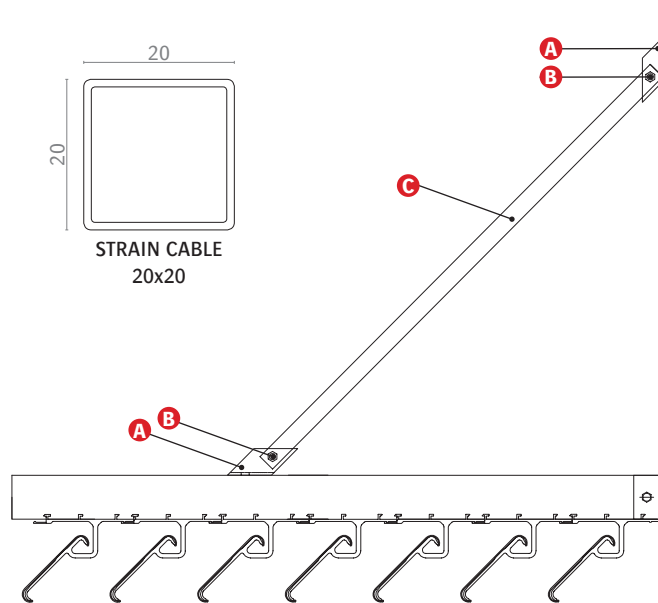
STRAIN CABLE

CHARACTERISTICS

- › Aluminum profile 6060 T6 (N573-3) ;
- › Adjustment by repositioning the flange.
- › Delivered pre-assembled.

Dimensioning of strain cables is defined by studies.

Type of strain cable:	20x20	26x36
Section (mm)	20x20	26x36
Perimeter (mm)	199	118
Weight (gr/ml)	1077	362



A Flange

B Screw with selflocking nut

C Strain cable

D M8 screw with adjustment

E U connection

COMPOSITION

The adjustable module with fixed or movable blades is composed of:

- > Frame: tubes or Aluminum flat end plates;
- > Blades: Azur (see p. 6-23), Recti'Ligne (see p. 24-43) and Canicule (see p. 44-57) ;
- > Gas spring: black paint tube in which slides a hard chromed rod (use of the energy of a single-acting pressurized gas);
- > Option with movable blades: maneuvering bar maneuvering compass (manual).

Standard blade lengths are 5000 and 6000 mm (other lengths available upon request).

APPLICATION

The adjustable module enable to open the Brise-Soleil before the window:

- > A gas under pressured contained inside the tube communicates a thrust on the rod, giving it the behavior of a compression spring.

The speed of the rod is hydraulically controlled at its end of travel.

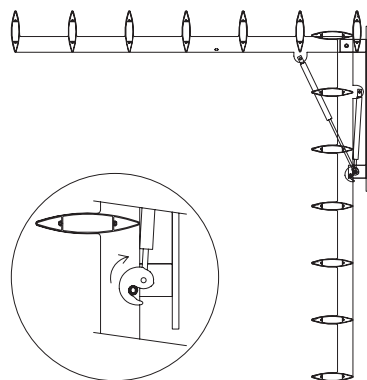
LIFTS AND HOLDS MODULES IN FRONT OF GLASS DOORS FOR EASY CLEANING.



Adjustable module with movable blades

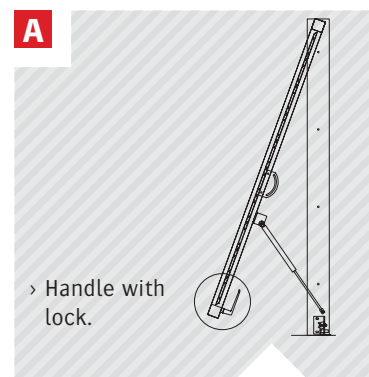


Adjustable module with fix blades

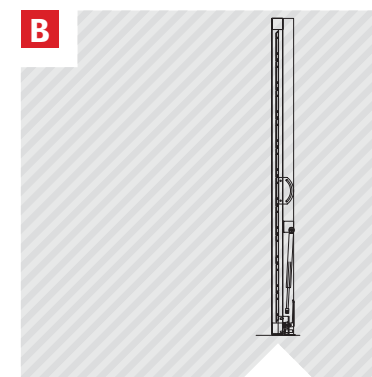


> Option: locking tab

Opening with flexibility, strength and damping.



POSITION OPEN



POSITION CLOSED

> Handle with lock.

INTRODUCTION

- › In a building, everything is subject to movement; the structural and finishing elements are subject to any kind of movement or distortion caused by the temperature variations, material expansion, etc.
- › Thermal expansion is a natural phenomenon caused by temperature variation. To avoid any distortions, we equip our flanges (ex: cassettes, end plates, etc.) with a braces system.

CHARACTERISTICS AND FINISHING

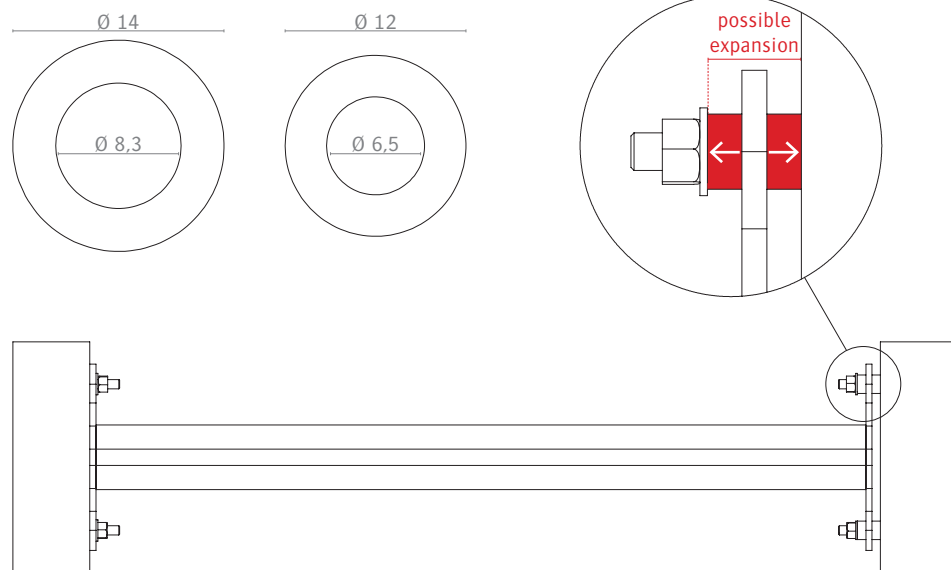
- › Extruded Aluminum brace;
- › Anodized (20 microns).

Our finishings are certified: Qualanod.

APPLICATION

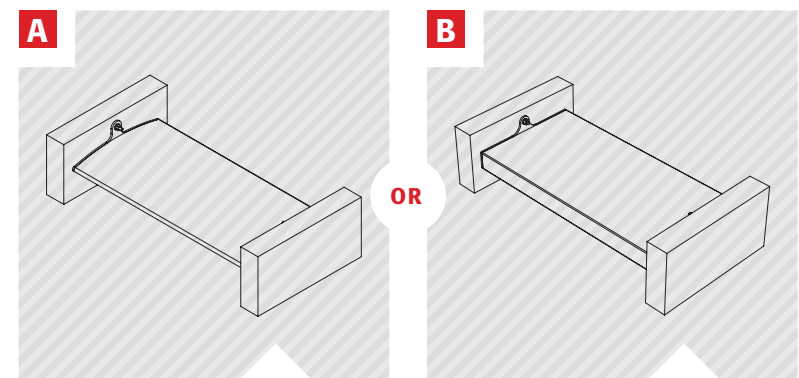
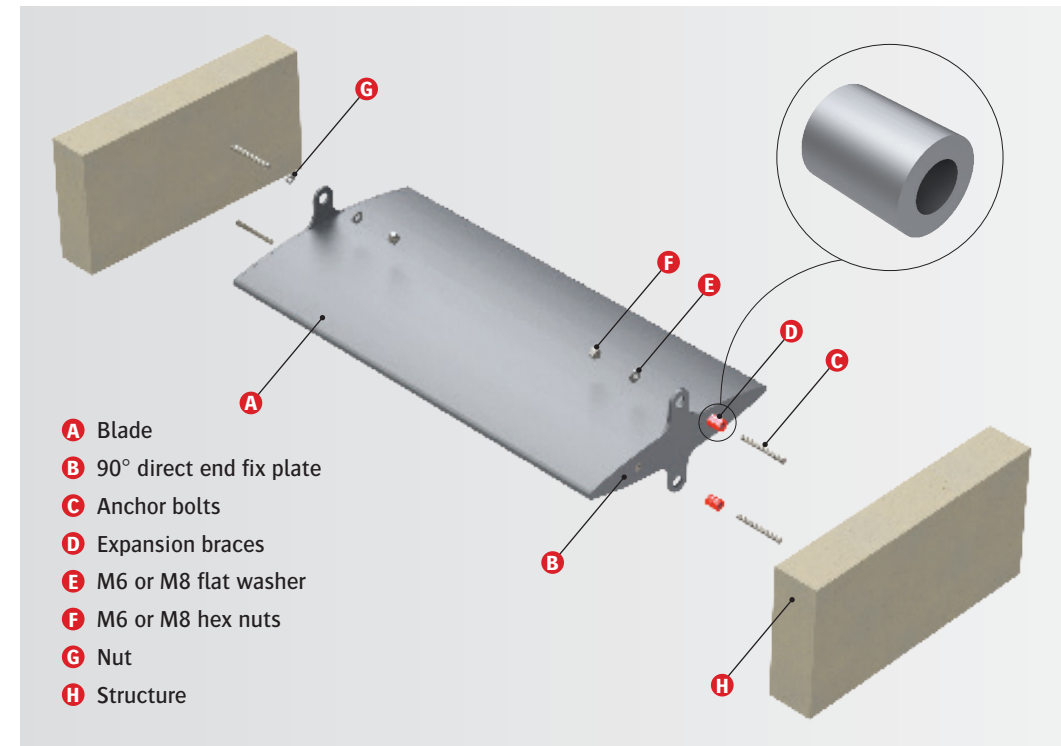
- › The fixation of the blades' flanges is directly made to the structural support. One of the flanges is secured and the other one is equipped with a brace to allow the thermal expansion.
- › Dimensioning of the brace depends on the type of blades, temperature variation to which the installation will be exposed, and the distance between the fixation points.

OUR BRACES



Secured 90° direct end fix plate.

90° direct end fix plate with expansion braces.



When installing a Brise-Soleil, braces must be installed to accommodate expansion..

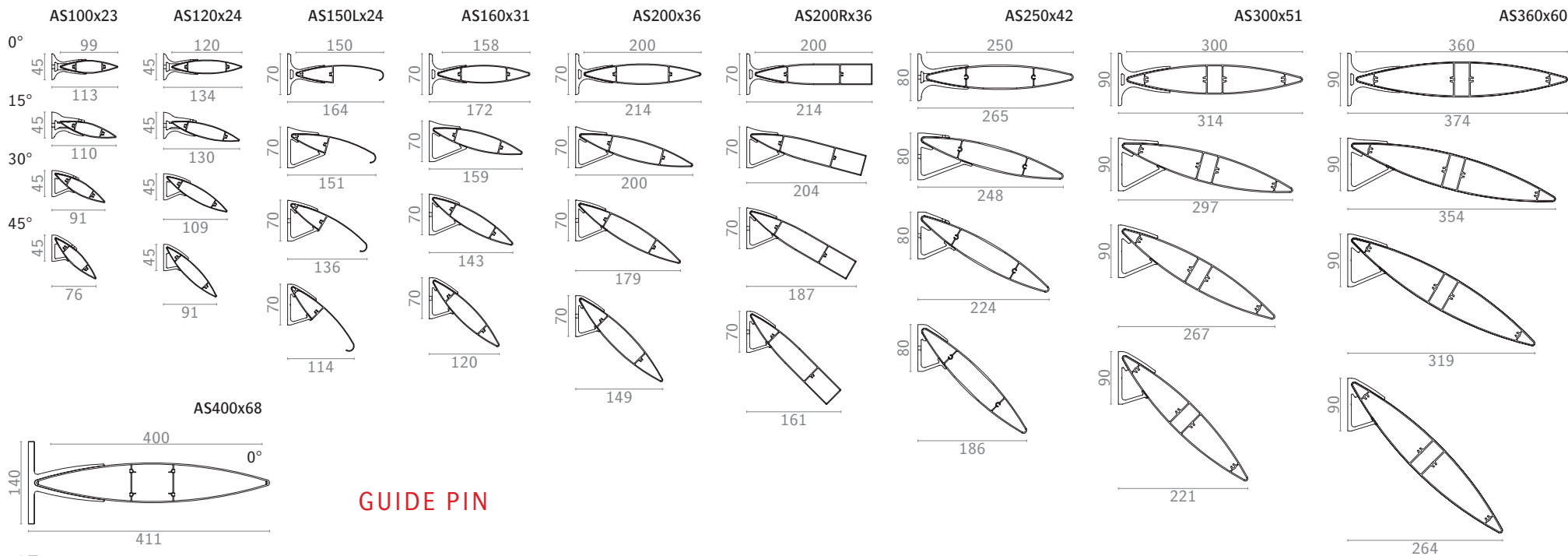
**OVOID «AEROFOIL» BLADES
RANGE AZUR**

**RECTANGULAR BLADES
RANGE RECTI'LIGNE**



Download our documentation on
www.tellierbrisesoleil.com.

Calcul de la dilatation de l'Aluminium : $\alpha = 23 \times 10^{-6} \text{ K}^{-1}$.



GUIDE PIN

1ST STEP:

› Install the guide pin within the alveois of the first blade with a mallet (bigger diameter side and chamfer).

2ND STEP:

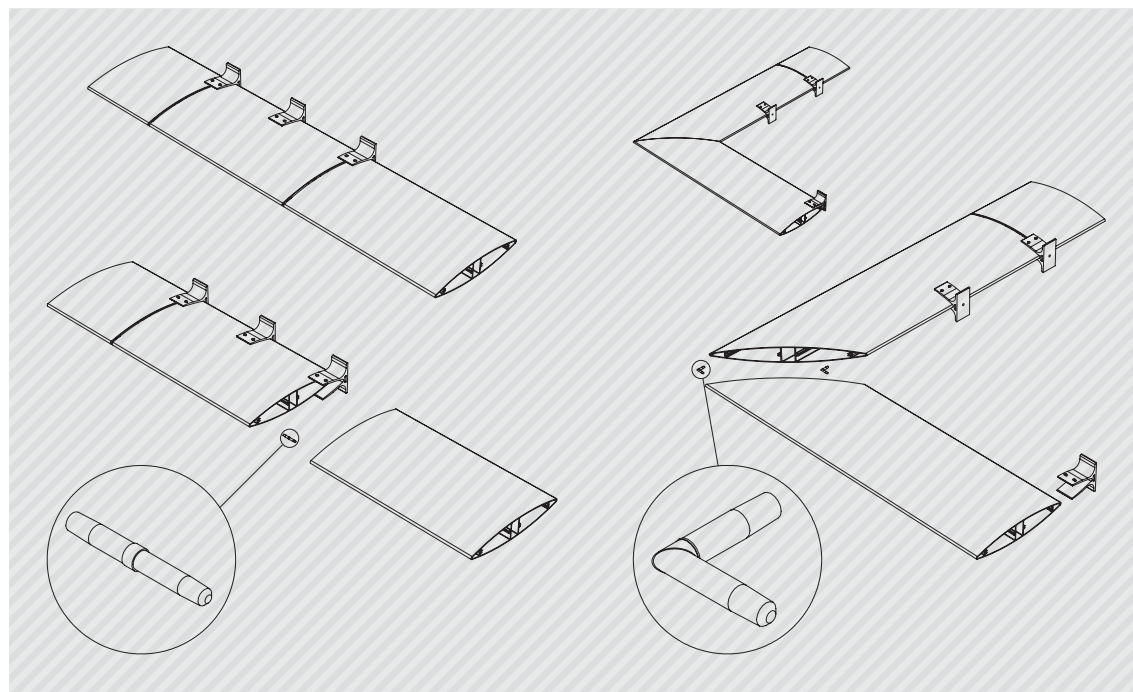
› Position the second blade making sure the guide pin slides in the alveois.

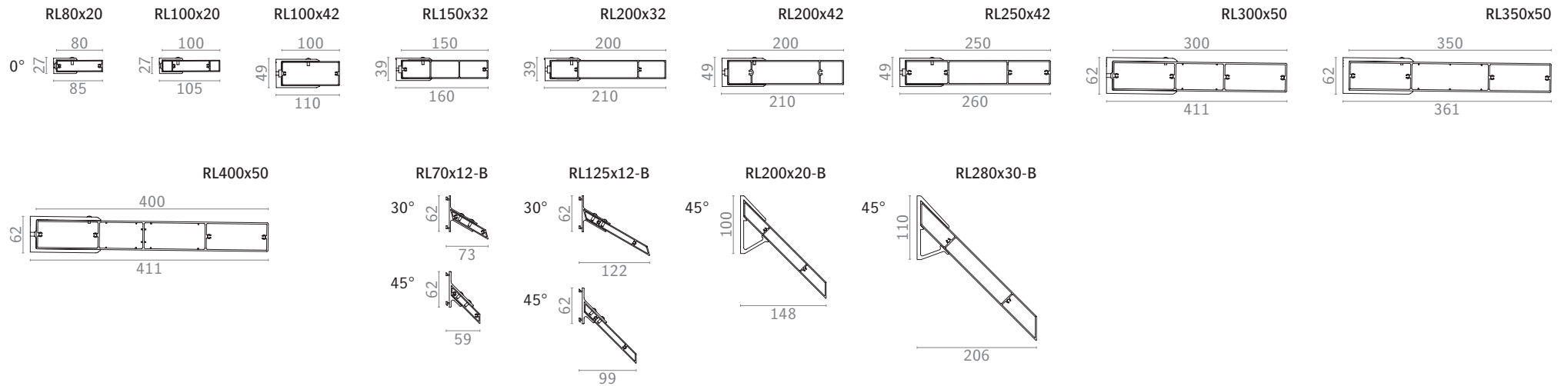
Only for Azur and Recti'Ligne ranges.



Note:

› Respect an expansion space of 6mm, except when indicated on diagram



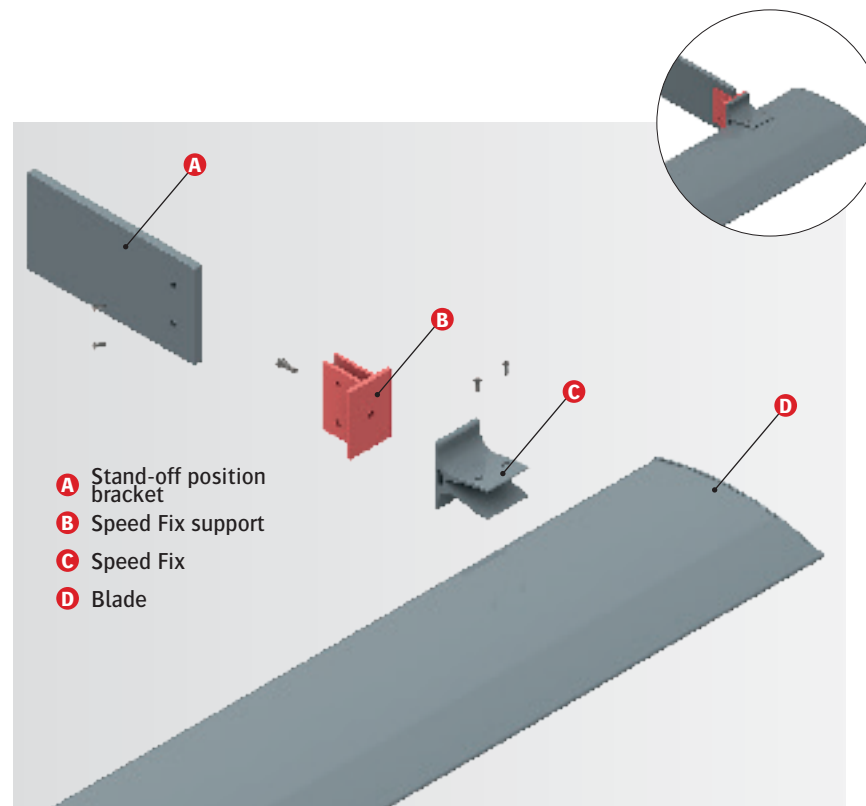
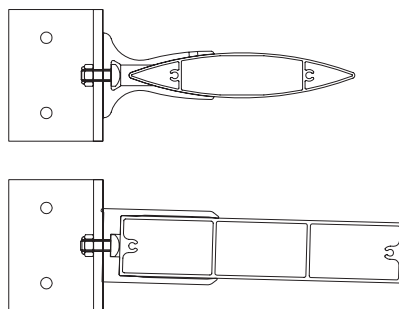


SPEED FIX SUPPORT

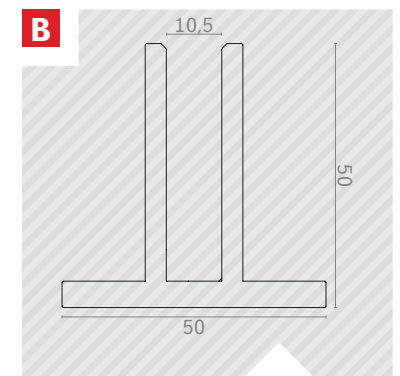
CHARACTERISTICS

- › Extruded Aluminum profile 6060 T6 (N573-3) ;
- › Fixation with screws on: curtain wall bracket, cladding bracket, etc.

Screws and bolts not supplied.



- A** Stand-off position bracket
- B** Speed Fix support
- C** Speed Fix
- D** Blade



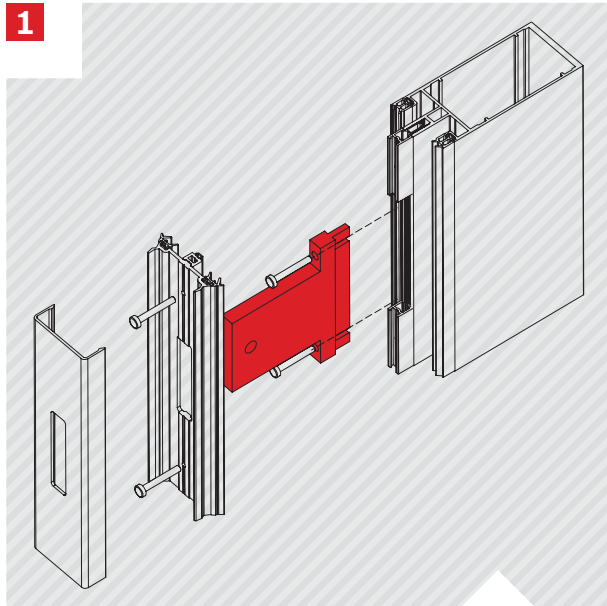
SPEED FIX SUPPORT

APPLICATION

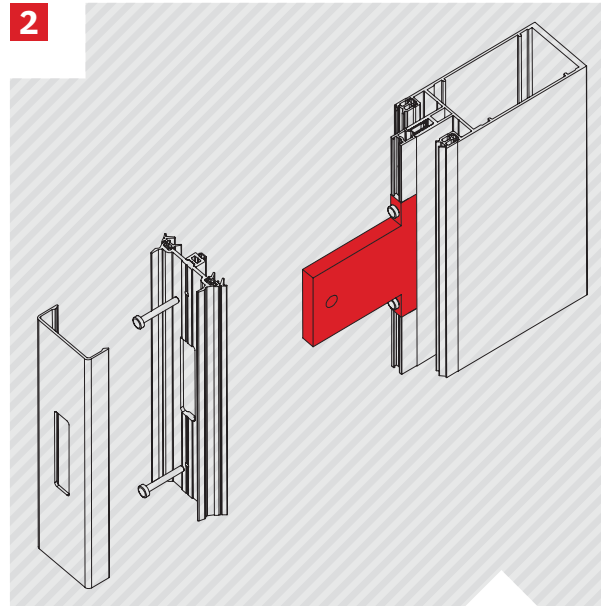
- › The Speed fix support enable a fixation on facade without supports.



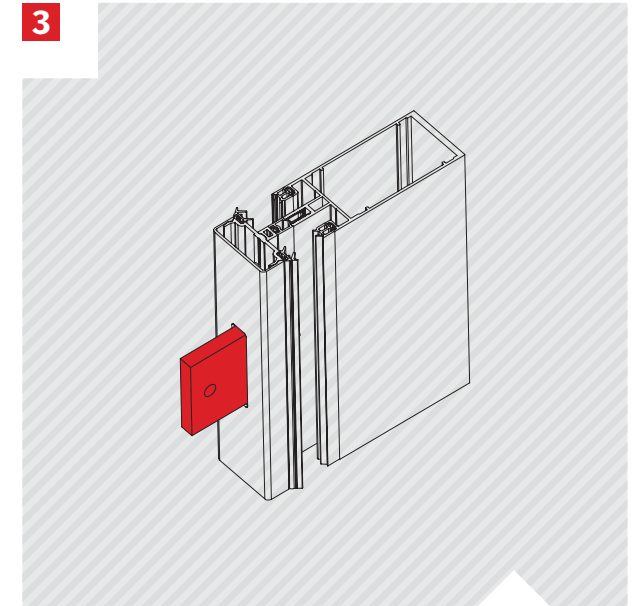
Download our documentation on www.tellierbrisesoleil.com.



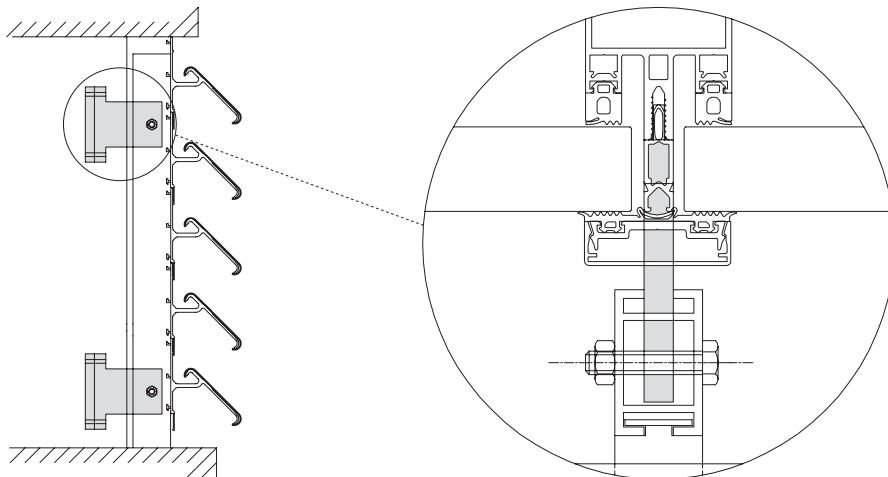
1
SCREW THE CURTAIN WALL BRACKET TO THE SUPPORT'S HOLE



2
SCREW THE PRESSURE PLATES AND CLIP THE HOOD TO THE CURTAIN WALL



3
FIX THE BRISE-SOLEIL ON THE CURTAIN WALL BRACKET



› Cross-sectional view of a curtain wall support profile.



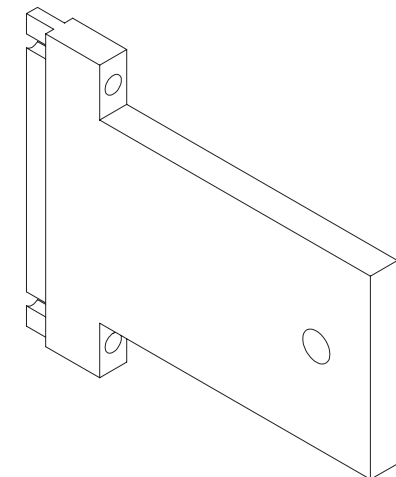
REQUIREMENTS:

› For us to realize the curtain wall bracket, please give us the DWG format of the curtain wall cross-sectional view as well as the type of screws and bolts used for the fixation of the curtain wall bracket.

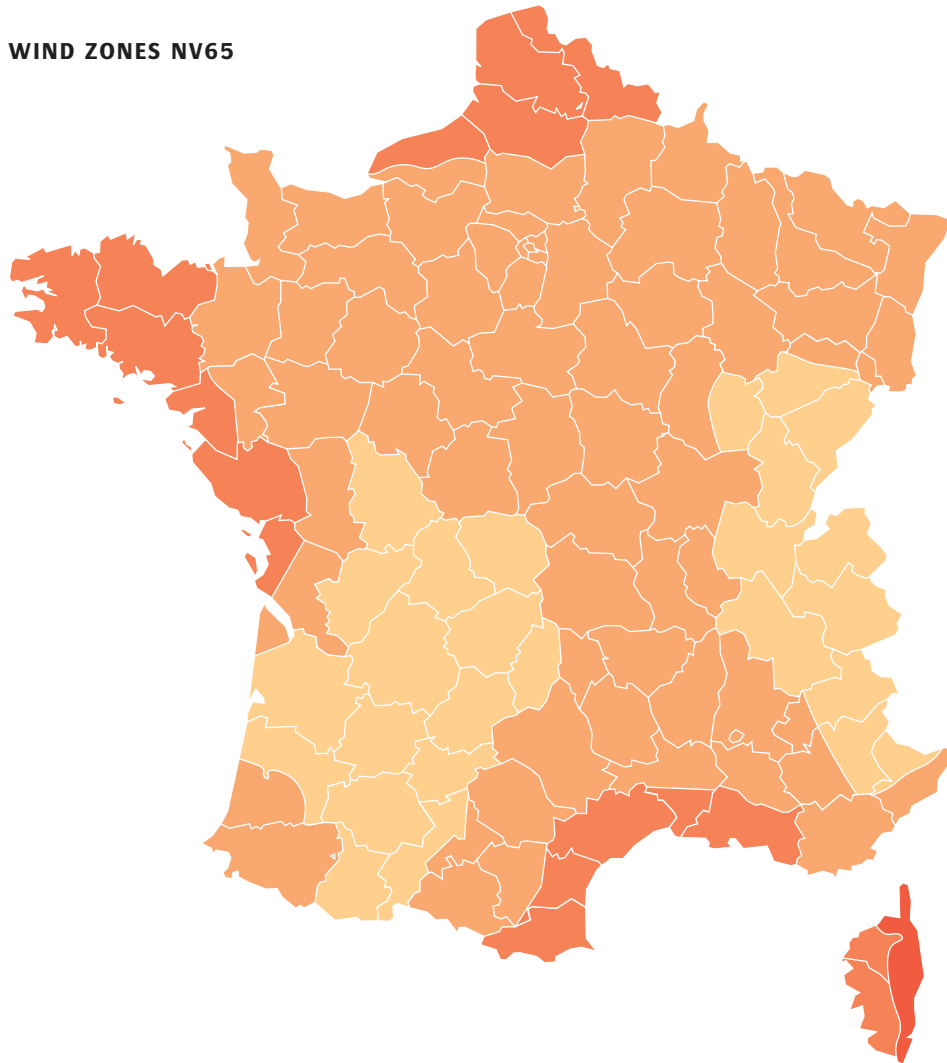
CHARACTERISTICS

- › Aluminum profile cut and factory-built;
- › Assembly with screws on the curtain wall bracket.

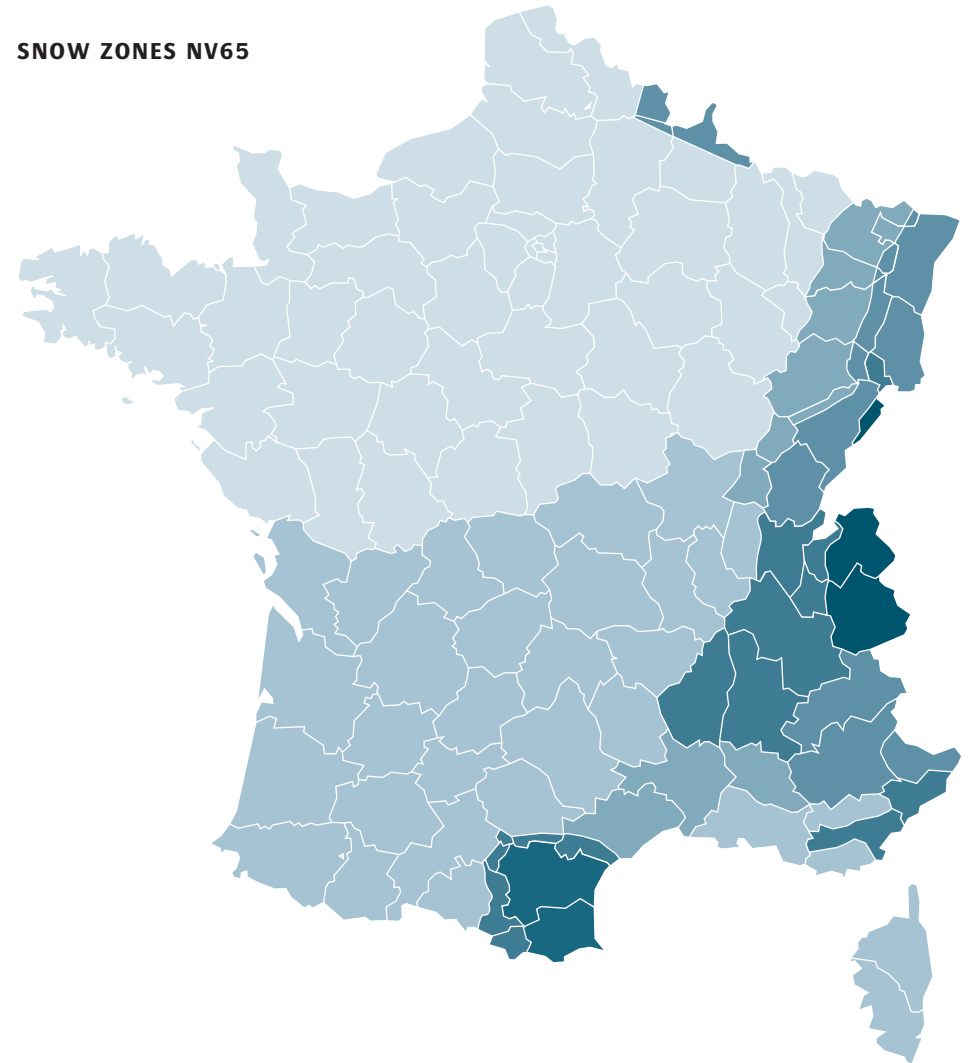
Screws and bolts not supplied.



WIND ZONES NV65



SNOW ZONES NV65



Type of zones:	1	2	3	4	5
Normal pressure (in Pa)	500	600	750	900	1200
Extreme pressure (in Pa)	875	1050	1313	1575	2100
Normal speed (in km/h)	103	113	126	138	159
Extreme speed (in km/h)	137	149	167	183	210

Dom-Tom

- > Guadeloupe (zone 5) ;
- > Guyane (zone 1) ;
- > Martinique (zone 5) ;
- > Mayotte (zone 5) ;
- > Reunion Island (zone 5) ;
- > Saint-Pierre et Miquelon (zone 4).

Calculated according to normal site exposure. Weights are used to account for site exposure: protected or normal or exposed.

Loads:	A1	A2	B1	B2	C1	C2	D	E
Normal Pn0 (in daN/m²)	35	35	45	45	55	55	80	115
Extreme Pn'0 (in daN/m²)	60	60	75	75	90	90	130	190
Accidental (in daN/m²)	✗	80	80	108	✗	108	144	✗

Calculated at an altitude of less than 200 meters. Normal vertical charges values Pn0 and extreme vertical charges values P'n0 uniformly distributed due to snow are consistent with that indicated by NV65 2009.

CLEANING:

To preserve the aspect and durability of your brises-soleil, a regular maintenance is important:

- › Aluminum is a material very resistant to bad weather and aggressive environments. Anodization and powder-coating are efficient surface treatments giving aluminum an extra layer of protection and a decorative aspect more durable. Finally, depending on the zone where it is set up and exposed, you must adapt the frequency of maintenance and cleaning.
- › Maintenance of the powder-coated or anodized aluminum requires a simple cleaning with soapy water (soft detergent with a pH between 5 and 8) followed with a cleansing with clear water and drying it with a non-abrasive cloth. Recommended tools are a soft sponge and a soft white cloth exclusively. Pay attention so that there is no containment area and so that the drain holes are unplugged.

FREQUENCY OF CLEANING:

- › **In a rural area or low-density urban area** (where there is no aggressive elements in the environment), the frequency of cleaning is once a year for every surfaces regularly cleaned up by rain water.
- › **In an urban, industrial or marine area** (where there is some aggressive elements in the environment), the surfaces exposed to rain require a bi-annual cleaning.
- › **In a heavy-traffic area** and where the maintenance of the decorative aspect is a particular requirement, cleaning would be done more frequently.

CLEANING METHODS:

- › **Surfaces regularly cleaned:** cleaning can be done with water with the addition of a wetting agent is recommended (Teepol or equivalent); it must be followed with a cleansing with clear water and the drying with a soft and absorbing cloth. This operation can be combined with the window cleaning (verify the products' compatibility).
- › **Surfaces moderately dirty:** you can use «remover-polishing» cleaning products specially develop for such application. These products contain a wetting agent and deep cleansing agents. It is recommended to finish the cleaning with a clean water cleansing and the drying with a soft and absorbing cloth.
- › **Surfaces very dirty:** if the dirt is particularly sticky, you can use «remover-polishing» products.

For anodized aluminum, you can apply these products with synthetic pads type Scotch-Brite F Finishing. It is recommended to finish the cleaning with a clean water cleansing and the drying with a soft and absorbing cloth.

RECOMMENDED PRODUCTS:

It is recommended to always proceed a test on a hidden area before any cleaning operation to validate the compatibility of the products used with the powder-coating. Also, it is important to avoid using aggressive products such as certain detergents: dishwasher detergent, washing-powder detergent, solvents, acids, etc.

- › **Recommended products** for the lacquered surfaces are: household cleaning products or industrial cleaning products with neutral pH.
- › **Non-recommended products** for the lacquered surfaces are: acids (acetic acid, hydrochloric acid, nitric acid, sulfuric acid, etc.), bases (sodium hydroxide, bleach, ammoniac, etc.), oxidants (oxygenated water, etc.), organic solvents (acetone, alcohol, isopropanol, white spirit, gas, methylethyl acetate, etc.), anti-graffiti (derived of propylene glycol, turpentine oil, etc.), abrasive cleaning powder (polish for renovation, etc.).

If there is too much dirt, it is recommended to proceed a renovation.

If nearby construction and public works caused to dirt the Brise-Soleil, it is recommended to proceed a detailed and deep cleaning.



ANODIZATION

The anodization process is specific to aluminum. This treatment gives it an important mechanical resistance, guaranteeing a significative capacity to hold its aspect and stabilizing the shining of its surface.

- › The product is plunged in successive baths. First, the natural alumina layer at its surface is removed by electrolysis. This layer is then replaced by an anodic layer (insulating coat more stable) more or less thick. Thickness of the coat will depend depending on the type of use you are looking for. A coat of 15 microns of thickness is suitable for exterior use.
- › Inside the pores of this anodic coat, it is possible to add colorants of all kind (gold, bronze, etc.). The color is said «natural» is no colorant is added. Once it is done, the protective anodized coat is sealed to make it resistant to the exterior effects.

POWDER-COATING

The powder-coating process of aluminum is made in three steps:

- › Step 1 : The aluminum piece is subject to surface chemical treatment to guarantee the paint hold onto the aluminum and to give it anticorrosion performances (alkaline degreasing, acid cleaning, conversion).
- › Step 2 : The electroplastic powder coating enable to correctly apply the paint on the piece.
- › Step 3 : The polymerization in an oven (baking) is to give it mechanical characteristics and the final color aspect.

Our different surface treatments have obtained the most strict quality certificates within the EU: Qualicoat®, Qualidéco®, Qualimarine® for the powder-coating and Qualanod® for the anodiazation, guaranteeing the high quality of our products and processes.

(© ADAL) Guide of choice :	Anodization	Powder-coating
Durability	****	***
Visual aspect holding	****	***
Range of colors	**	****
Scrub resistance	****	**
Metallic aspect	****	***
Shaping	N.R.	**
Easy to clean	****	****
Application to welded pieces	**	****
Application to cast parts	*	**

**** Excellent *** Very good ** Good * Acceptable N.R. Not recommended

QUALANOD® LABEL

- › Since 1974, the Qualanod® label ensure the quality and durability of anodized aluminum products. The label document of reference describes the technical specifications, the controls to proceed and their frequency. The main characteristics controlled are: the thickness and solidity of the anodic coat, the seal and abrasion resistance quality, qualité du colmatage et de la résistance à l'abrasion, saline mist resistance, etc.

QUALICOAT®, SEASIDE® AND QUALIDÉCO® LABEL

- › Since 1986, the Qualicoat® label ensure the good quality and characteristics for durability of the lacquers used in the powder-coated aluminum products. concerne les produits Aluminium thermolaquées. The average thickness of the coat is at least 60 microns. The label document of reference describes the technical specifications, the controls to proceed and their frequency. The main characteristics controlled are: the thickness of the conversation layer, quality of the cleanings, quality of the lacquer coat (its thickness, adhesion, its polymerization and its mechanical resistance), saline mist resistance, corrosion resistance, UV resistance (tint and brightness) and exterior effects resistance, etc.
- › Directives of the Qualicoat® label include powder-coating for decorative effects (wood, marble, etc.) covered by a specific certificate: the Qualidéco® label.

QUALIMARINE® LABEL

- › Created in 2001, the Qualimarine® label evolved in 2016 to become a global quality process for powder-coated aluminum profiles exposed to the most extreme atmospheric conditions. Qualimarine® controls: the quality of the alloy and its surface reinforced treatment, the performance of the powder-coating process, the respect of the maintenance recommendations for the final product.
- › Products Qualimarine® must be entirely made with labelled profiled by Qualimarine® accredited professionals.

The durability and quality of surface treatments are guaranteed by labels which are recognized by professionals such as Qualanod®, Qualicoat®, Seaside®, Qualidéco® and Qualimarine®.



For more information, visit ADAL© website.

APPLICATION OF THE GTC:

› These general terms and conditions are applicable to all our sales and prevail over any other conditions. In application of the article L.441-6 of the French Code of Commerce, the general terms and conditions shall apply to all contracts, including all future contracts with the Customer.

ORDERS:

› An order from a customer becomes definitive once it is confirmed by Tellier Brise-Soleil and following these requirements: each customer's order must exactly mention the dimensions of the products. If the realization is possible, then Tellier Brise-Soleil will realize a diagram (under the responsibility of the customer who sent the dimensions). The diagram and order as accepted by Tellier Brise-Soleil will be addressed by mail to the customer for verification. No manufacturing operation will be started before the diagrams' validation by the Customer.

GUARANTEE:

› Tellier Brise-Soleil commits to process the order as to the validated notes on the order's confirmation, under the responsibility of the customer who sent the dimensions. For the colors, the customer has been informed that the colors of Tellier Brise-Soleil products can present a slight variation of tone and tint due to the support and paint/lacquer. The Customer has accepted that this variation be of the Delta E - at the most equal to 1.5 for the white and 3,0 for a color. This delta variation is required by the powder-coating suppliers. Tellier Brise-Soleil guarantees its products in accordance to the law and in the limit of the amount paid by the Customer. Tellier Brise-Soleil never covers indirect and intangible damages. No guarantee is given to professional customers in accordance to the articles 1641-s. and 1386-1s. of the French Civil Code and, for this last one, the exclusion of guarantee applies to the damages caused to goods for professional use. If the Customer detects a default capable to engage Tellier Brise-Soleil responsibility, (s)he must inform Tellier Brise-Soleil by registered letter with acknowledgement of receipt within (10) days of its discovery (or

within forty-eight (48) hours of delivery for all visible defects). Any defect or default must remain to enable Tellier Brise-Soleil and the Customer to establish reports of their statements, at the latest thirty (30) days after reception of the letter to observe the reality of the default or defect and the eventual legal responsibility of Tellier Brise-Soleil. If Tellier Brise-Soleil estimates that the default falls within its guarantee, then Tellier Brise-Soleil will take the repairs of said products or, at its choice, the replacement with a product equivalent.

DELIVERY & TRANSPORTATION:

› The obligation of delivery of the products sold by Tellier Brise-Soleil is realized by the provision of the product at Tellier Brise-Soleil factory. The Customer supports, by itself and its own responsibility all risks of loading, transportation and unloading. The Customer must organize the accessibility to the truck for transportation the day and place agreed for unloading in normal and safe conditions. In the absence of such conditions, and if the merchandise couldn't be unloaded, therefore the Customer would be charged for all costs of return to the shipper and compensation to Tellier Brise-Soleil for the inconvenience. All expression of reservation on the delivery (missing products, defaults, etc.) must be written on the bill of lading and be notified by registered letter with acknowledgement of receipt within three (3) days to the carrier and to Tellier Brise-Soleil, and shall precise the nature and cause of the default. Transit time for transportation and delivery are always advisory only. No delay can result in any compensation or cause any modification to the order (termination or resolution, total or partial). Tellier Brise-Soleil reserves the possibility of splitting up the various shipments. Packaging are never returned to Tellier Brise-Soleil.

PRICE AND PAYMENTS:

› Our prices are given without taxes, on an ex-works factory basis or franco Customer if indicated or freight forwarder located in metropolitan France (this notion does not modify the responsibility of all risks during transportation supported by the Customer) and lost packaging included. No discount will be granted for anticipated payment.

Prices indicated in quotations are valid for the quantity indicated and for a period of two (2) months from the quotation creation. Except any specific indication, the payment to invoices emitted by Tellier Brise-Soleil must be done following the method of payment indicated to its headquarters within thirty (30) days end of month the fifteen (15).

› For all new Customer, or when a Customer didn't pay all due invoices in time, the first order (or the next order to the one not paid in time) will be paid by wire transfer: fifty percent (50%) before delivery, or at Tellier Brise-Soleil preference, or by full payment at order (this last situation particularly applies to the Customers not covered by our credit insurance). In any case, payment conditions are subject to their acceptance by our credit insurance. Any delay in payments will result into an automatic modification of the agreed delivery time. The Customer accepts as of now that the new delivery time is unilaterally set Tellier Brise-Soleil.

DEFAULT OF PAYMENT:

› Any sum unpaid at its due date bears interest, according to the law and without prior notice, from the due date, at a rate of two (2) times the legal rate. The contentious recovery of the due sums (considered as after a first formal notice from Tellier Brise-Soleil) will result in the payment of a compensation, for the loss suffered as a result of client default, equals to twenty percent (20%) of the unpaid invoice TTC without being inferior to Three hundreds and Fifty Euros (350 €) and compensation compensated for expenses incurred for the sum recovery. In addition, the default of the Customer will result: the immediate forfeiture of all of other receivables due by the Customer and their immediate payment; the suspension of all current orders and the faculty to apply the title retention clause with the retention of all amounts perceived as part of deposit of said order.

TITLE RETENTION CLAUSE:

› The merchandise remains the property of Tellier Brise-Soleil until full definitive payment of the total amount due, principal and additional, charges and interests. However, all risks of the products are transferred to the Customer at provision of

the products (at Tellier Brise-Soleil factory). The Customer commits to cover any delivery with an insurance covering all risks and damages caused by and suffered by the goods and to notify to Tellier Brise-Soleil at first request, before delivery.

DISPUTE RESOLUTION PROCESS:

› The parties commit, prior to selecting an arbitrator and referring the dispute to arbitration before Court, except if the different is about a payment default, to find an amicable solution to the dispute within two (2) months following the reception of the letter the plaintiff addresses the other party. Where, failing amicable agreement, the dispute shall be referred to the exclusive competence of the Court of Angers (Maine et Loire, France).



FOR MORE INFORMATION, PLEASE VISIT WWW.TELLIERBRISESOLEILCOM

Catalogues, products data sheets, technical drawings, tools for your CCTP, BIM elements or our projects references - discover all of our communication and specifications tools on our website.

ACKNOWLEDGMENTS

› We thank all of our partners and customers for the pictures of the projects.

Design:

› TELLIER Brise-Soleil.

Pictures credit:

- › TELLIER Brise-Soleil picture library;
- › Guillaume SATRE | www.guillaume-satre.fr ;
- › Luc BOEGLY | www.opictures.fr ;
- › Sergio GRAZIA | www.sergiograzia.fr.

Print:

- › BDZ centre d'impression ;
- › January 2018 edition.

Perfectly adapted to all architectural styles, our collection is the ideal solution to protect, enhance and ventilate your building. From the Brise-Soleil to the shutters via the vents cladding, you will find a large range of products to match your requirements and projects. Discover our sun protection, facade cladding and natural ventilation solutions.

www.tellierbrisesoleil.com

- › Anjou Actiparc des Trois Routes
- › Rue Alcide de Gaspéri
- › 49120 CHEMILLÉ-EN-ANJOU | FRANCE
- › Phone: +33 241 304 545 | Fax: +33 241 640 202
- › Mail : contact@tellierbrisesoleil.com

Follow us:

