



MANGO

SEMILAVORATI IN LEGNO



Mission

To combine beauty with functionality thanks to a level of technical excellence.

Our ongoing commitment is to foster a world where we take care of the environment, the planet's resources and people.



The mark
of responsible
forestry

At the customer's request, our products can be made with **FSC®** certified materials, a chain of custody to which we belong.



Window stops and interior blinds designed for the Historic Center (**Centro Storico**).



70% of the energy we consume is produced by our photovoltaic system, the rest is purchased from certified renewable sources.



Vision

Wanting to be a reference of Italian excellence for semi-finished wood products, through continuous technical and design innovation, we produce products tailored to the customer. We support carpenters, manufacturers of wooden doors, armored doors and interior doors. In our supply chain, it is essential to share our values, including the choice to use eco-friendly products.

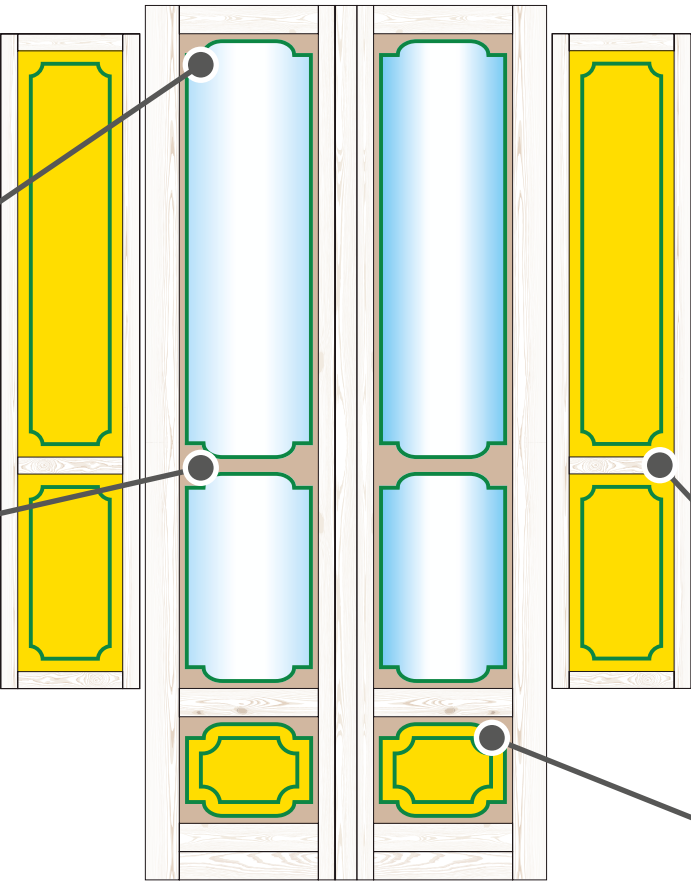
Values

Our values begin with a deep passion for wood, through which the most innovative ideas arise, from the quality of the products we produce, born from constant research, attention to detail, continuous innovation of the technologies used, and sustainability intended as environmental care.

All our products, from the choice of eco-friendly materials, to packaging, to recycling, are designed to drastically reduce the environmental impact compared to similar products.

Our code of ethics identifies the standards of conduct to which all stakeholders must adhere: fairness and equality, legality, health protection, confidentiality, transparency, environmental protection and personal protection.

Product index



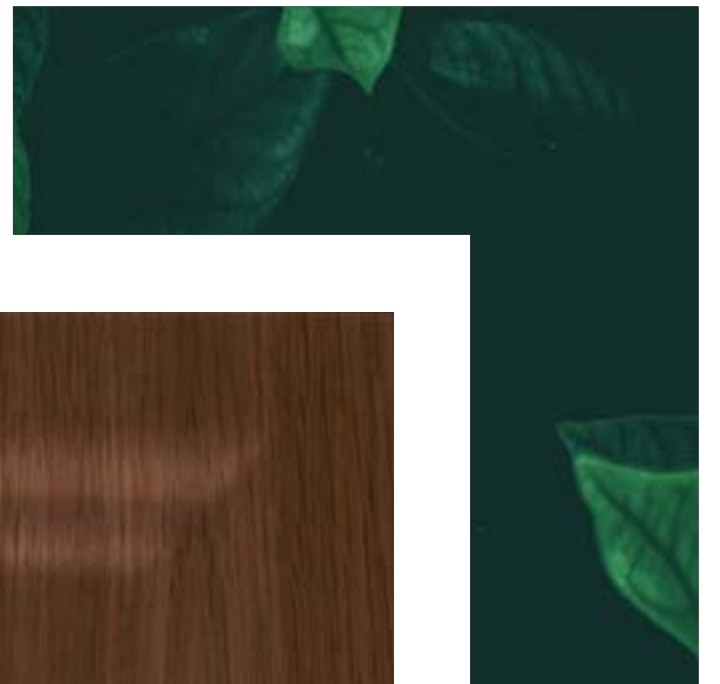
Our company



Our production is based on the realization of all the semi-finished wood products that make up the window.

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CLAD PANELS FOR WINDOWS



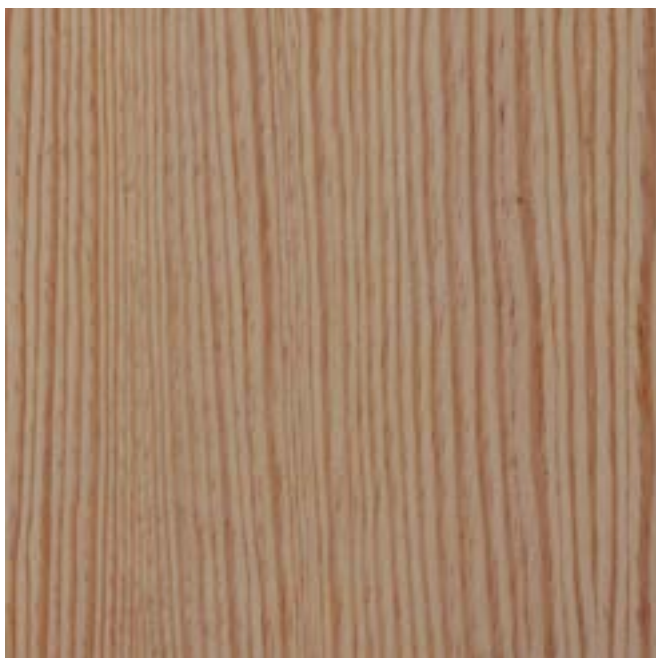
PROFILE A
Siberian Larch



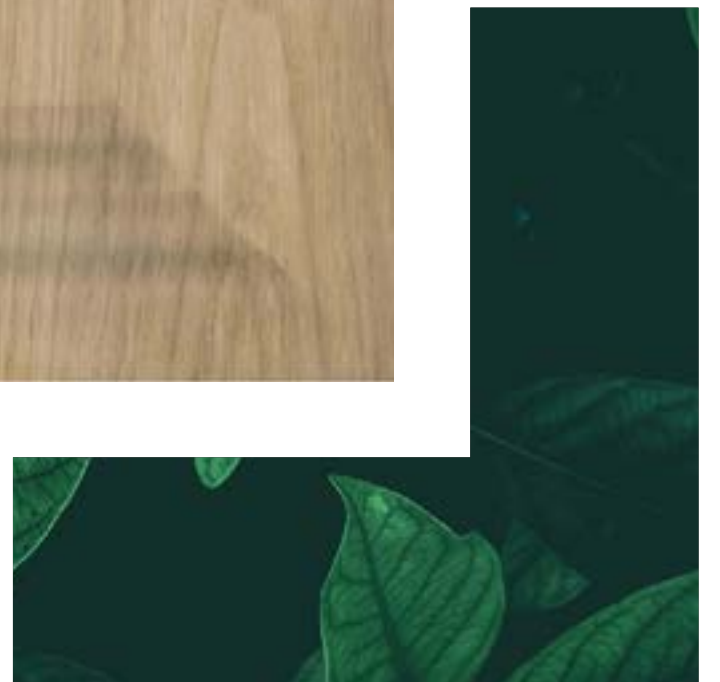
PROFILE B
Sapelle



PROFILE C
Pine



PROFILE D
Chestnut



The veneered panels are manufactured, at the customer's discretion, using either waterproof MDF or exterior-grade plywood bonded with AW100 adhesive.

These types of panels are used both outdoors and indoors, maintaining stability over time, avoiding swelling and cracking even in critical environmental conditions.

Our production includes four types of coated panels that can be brushed and veneered at the discretion of the customer on the choice of over 25 essences:

- **Interior Line:** coated panels for doors and interior blinds;
- **Exterior Line:** coated panels for doors and windows and exterior blinds;

- **Thermic Line:** insulated panels coated and certified for thermal transmittance values, through the **Frame Simulator** program referencing the **UNI EN ISO 6946** standard, and for acoustic transmittance values;
- **Acustic Line:** insulated panels designed to achieve sound-insulating values up to 41 dB.



INTERIOR LINE



PROFILE A
PANEL
6 to 10 mm



PROFILE B
PANEL
7 to 10 mm



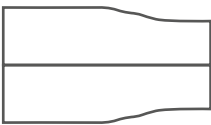
PROFILE C
PANEL
6/12/15/18/22/25/34/38 mm



EXTERIOR LINE



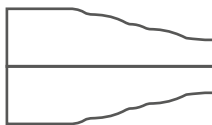
PROFILE A
PANEL
10 to 28 mm



PROFILE B
PANEL
12 to 23 mm



PROFILE C
PANEL
12 to 38 mm



PROFILE D
PANEL
14 mm

THERMIC LINE



INSULATED PANELS WITH ECO BLACK DB - WATERPROOF OR MULTILAYER MDF SUPPORT

Two separate halves



PROFILE A

PANEL
22 to 57 mm



PROFILE B

PANEL
22 to 57 mm



PROFILE C

PANEL
23 to 50 mm



PROFILE D

PANEL
25 to 33 mm

Single unit with solid wood perimeter



PROFILE A

PANEL
22 to 57 mm



PROFILE B

PANEL
22 to 57 mm



PROFILE C

PANEL
23 to 50 mm



PROFILE D

PANEL
25 to 33 mm

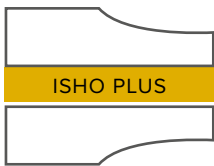


Up to 0,48 W/m²K

Sound-insulating power up to 27 dB

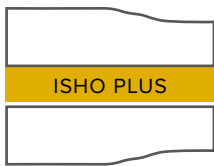
INSULATED PANELS WITH ISHO PLUS - WATERPROOF OR MULTILAYER MDF SUPPORT

Two separate halves



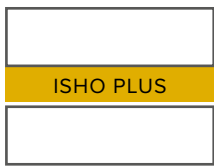
PROFILE A

PANEL
33 to 53 mm



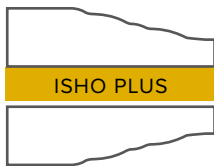
PROFILE B

PANEL
33 to 53 mm



PROFILE C

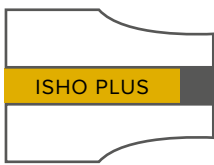
PANEL
33 to 55 mm



PROFILE D

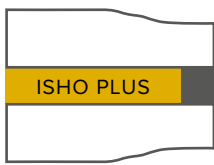
PANEL
34 to 44 mm

Single unit with solid wood perimeter



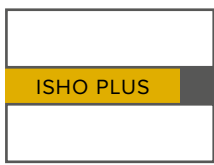
PROFILE A

PANEL
33 to 53 mm



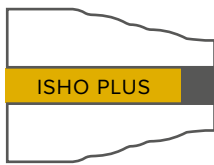
PROFILE B

PANEL
33 to 53 mm



PROFILE C

PANEL
33 to 55 mm



PROFILE D

PANEL
34 to 44 mm



Up to 0,48 W/m²K

Sound-insulating power up to

THERMIC LINE



INSULATED PANELS WITH ISHO X0.9 - WATERPROOF OR MULTILAYER MDF SUPPORT

Single unit with solid wood perimeter



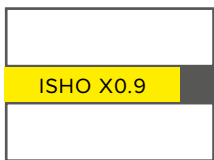
PROFILE A

PANEL
29 to 35 mm



PROFILE B

PANEL
29 to 35 mm



PROFILE C

PANEL
30 to 43 mm

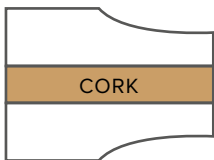


Up to 0,93 W/m²K

Sound-insulating power up to 27 dB

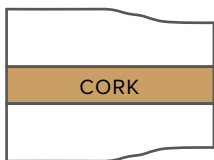
INSULATED PANELS WITH CORK - WATERPROOF OR MULTILAYER MDF SUPPORT

Single body with cork



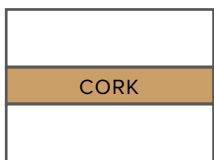
PROFILE A

PANEL
26 to 32 mm



PROFILE B

PANEL
27 to 32 mm



PROFILE C

PANEL
30 to 43 mm



Up to 1,17 W/m²K

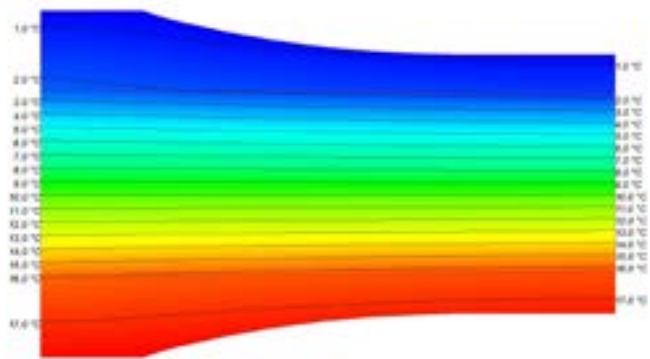
Sound-insulating power up to 33 dB

Thermic Line panels are insulated products with thermal transmittance values up to 0,48 W/m²K.

The panels can be supplied in two separate halves with separate insulation, in a single

body insulated with HD corkor with one of our insulation assembled with a solid perimeter.

Our panels are certified with thermal transmittance values according to **UNI EN ISO 6946** standards.



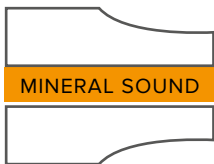
U panels Transmittance calculation
UNI EN ISO 6946

ACUSTIC LINE



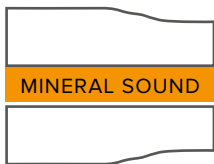
INSULATED PANELS WITH MINERAL SOUND - MDF WATERPROOF SUPPORT

Two separate halves



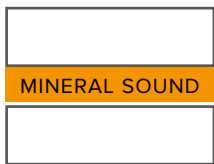
PROFILE A

PANEL
42 - 52 mm



PROFILE B

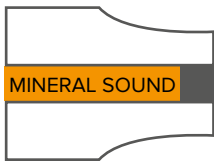
PANEL
42 - 52 mm



PROFILE C

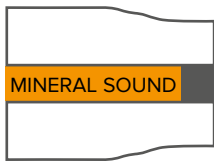
PANEL
55 mm

Single unit with solid wood perimeter



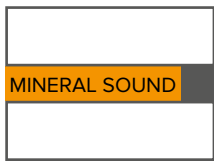
PROFILE A

PANEL
42 - 52 mm



PROFILE B

PANEL
42 - 52 mm



PROFILE C

PANEL
55 mm



Up to 0,79 W/m²K
Sound-insulating power up to 41 dB

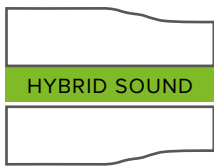
INSULATED PANELS WITH HYBRID SOUND - WATERPROOF OR MULTILAYER MDF SUPPORT

Two separate halves



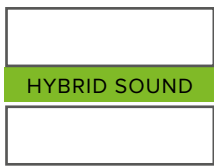
PROFILE A

PANEL
42 mm



PROFILE B

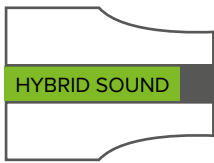
PANEL
42 mm



PROFILE C

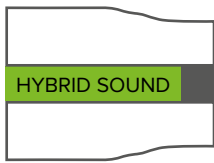
PANEL
57 mm

Single unit with solid wood perimeter



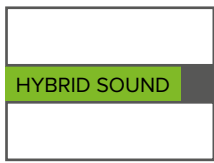
PROFILE A

PANEL
42 mm



PROFILE B

PANEL
42 mm



PROFILE C

PANEL
57 mm



Up to 0,82 W/m²K
Sound-insulating power up to 41 dB

BIO LINE



UNINSULATED PANELS - COATED MULTILAYER SUPPORT

ORGANIC FIR/LARCH 6mm
MULTI-LAYER
ORGANIC FIR/LARCH 6mm

PROFILE C

PANEL
from 24 to 46 mm



The panels of the **Bio Line** family are produced with a multilayer support for the exterior and coated with brushed sawdust of **Larch** or **Organic Fir with 2nd patina** of 6 mm

INSULATED PANELS WITH ISHO X0.9 - COATED MULTILAYER SUPPORT

ORGANIC FIR/LARCH 6mm
MULTI-LAYER
ISHO X0.9
MULTI-LAYER
ORGANIC FIR/LARCH 6mm

PROFILE C

PANEL
44 - 54 mm

Up to 0,65 W/m²K



Organic larch 2nd patina.

INSULATED PANELS WITH CORK - COATED MULTILAYER SUPPORT

ORGANIC FIR/LARCH 6mm
MULTI-LAYER
CORK
MULTI-LAYER
ORGANIC FIR/LARCH 6mm

PROFILE C

PANEL
42 mm

Up to 1,22 W/m²K

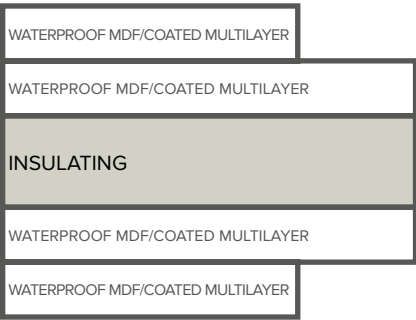


Organic fir 2nd patina

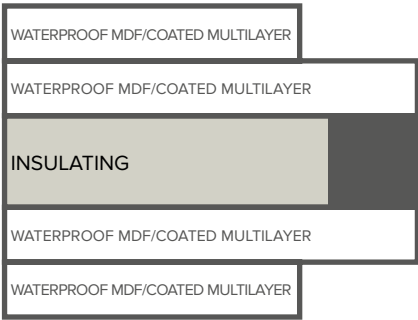
HISTORIC CENTER



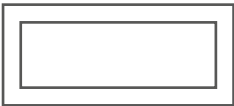
INSULATED PANELS - WATERPROOF MDF OR MULTILAYER SUPPORT



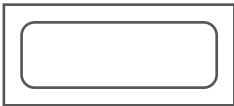
PROFILO C



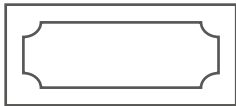
PROFILO C



PROFILE J0



PROFILE J1



PROFILE J5

ACHIEVABLE PROFILES

Up to 0,48 W/m²K
Sound-insulating power up to 33 dB



FLUSH



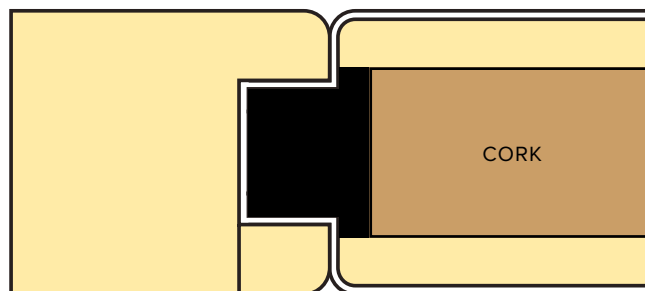
INSULATED FLUSH PANELS WITH CORK

Single unit with solid wood perimeter

These panels are made using an exterior-grade plywood backing coated with hardwood veneer, featuring either a vertical or horizontal grain pattern, and filled with **HD cork** on the interior.

The panels are crafted according to the customer's design and can be smooth, paneled, routed, windowed, and we can supply them either squared or with custom-designed lateral edges.

Thicknesses: 68 to 92 mm



90° Milling



Round milling



U-shaped milling



R-shaped milling



H3 90° angle



H3 round corner



Up to 0,52 W/m²K
Sound-insulating power up to 41 dB

PANELED PANELS

SPECIAL PANELS FOR EXTERNAL BLINDS

These panels are made on exterior-grade plywood coated with hardwood veneer, featuring either a horizontal or vertical grain, and paneled according to the customer's design.

Thicknesses: 6 - 12 - 15 - 18 - 22 - 34 mm



DOGATURE



90° Milling



Round milling



U-shaped milling



R-shaped milling





INSULATED SANDWICH PANELS



CORK-INSULATED SANDWICHE PANELS
• MULTILAYER SUPPORT

CORK-INSULATED SANDWICHE PANELS
• WATERPROOF MDF SUPPORT

INSULATED SANDWICH PANELS WITH ISHO X09
• MULTILAYER SUPPORT

INSULATED SANDWICH PANELS WITH ISHO X09
• WATERPROOF MDF SUPPORT

<table><tr><td>MULTI-LAYER</td></tr><tr><td>CORK</td></tr><tr><td>MULTI-LAYER</td></tr></table>	MULTI-LAYER	CORK	MULTI-LAYER	2480x1220mm <i>Up to 1,22 W/m²K</i>	<table><tr><td>WATERPROOF MDF</td></tr><tr><td>CORK</td></tr><tr><td>WATERPROOF MDF</td></tr></table>	WATERPROOF MDF	CORK	WATERPROOF MDF	2440x1220mm <i>Up to 1,12 W/m²K</i>	<table><tr><td>MULTI-LAYER</td></tr><tr><td>ISHO X0.9</td></tr><tr><td>MULTI-LAYER</td></tr></table>	MULTI-LAYER	ISHO X0.9	MULTI-LAYER	2480x1220mm <i>Up to 0,98 W/m²K</i>	<table><tr><td>WATERPROOF MDF</td></tr><tr><td>ISHO X0.9</td></tr><tr><td>WATERPROOF MDF</td></tr></table>	WATERPROOF MDF	ISHO X0.9	WATERPROOF MDF	2440x1220mm <i>Up to 0,95 W/m²K</i>
MULTI-LAYER																			
CORK																			
MULTI-LAYER																			
WATERPROOF MDF																			
CORK																			
WATERPROOF MDF																			
MULTI-LAYER																			
ISHO X0.9																			
MULTI-LAYER																			
WATERPROOF MDF																			
ISHO X0.9																			
WATERPROOF MDF																			
Thickness: 42 mm		Thickness: 42 mm		Thickness: 44 mm		Thickness: 44 mm													



INSULATED CLADDINGS

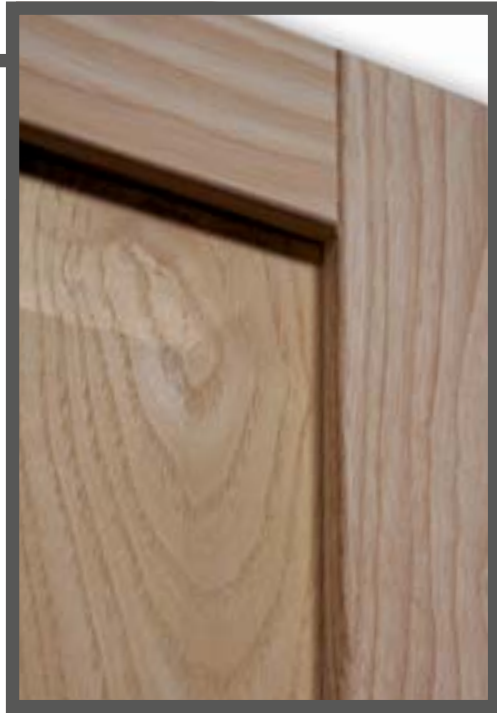


Insulated claddings supplied as a single unit, with a thickness ranging from **68 to 92 mm**.
Used as panels above and/or below the window or as partition walls.

We can make them on a support of **waterproof MDF** or **plywood** and cover them with **hardwood veneer**.

X: Joining joint with the window frame

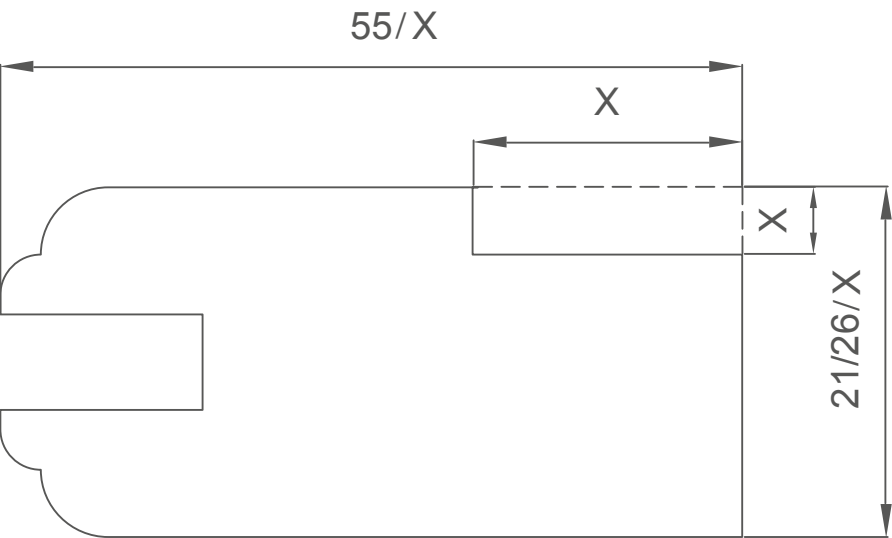
INTERNAL BLINDS



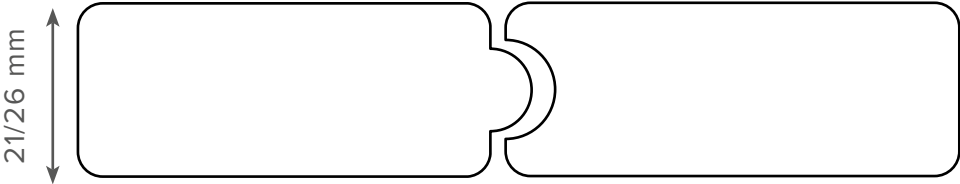
INTERNAL BLINDS



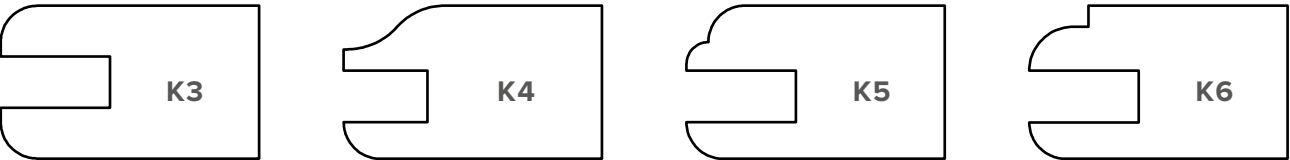
BLINDS TECHNICAL PROFILE



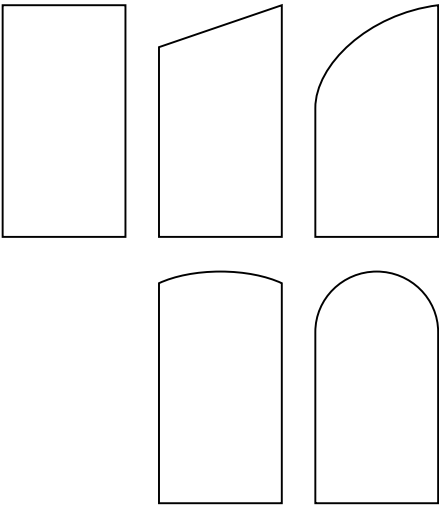
FOLDING SECTION



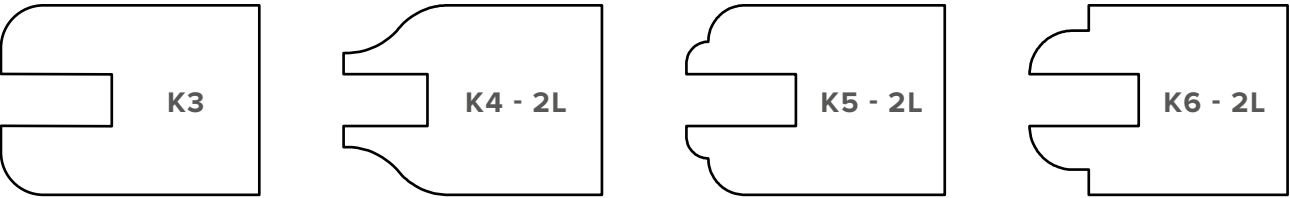
PROFILES THICKNESS 21 - 26 mm - 1 side



FEASIBLE VERSIONS

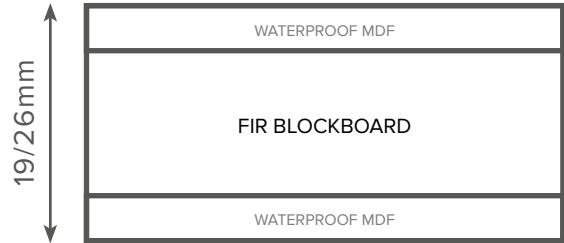


PROFILES THICKNESS 26 mm - 2 sides



One side		two sides		
PROFILE A	PROFILE B	PROFILE A	PROFILE B	PROFILE C

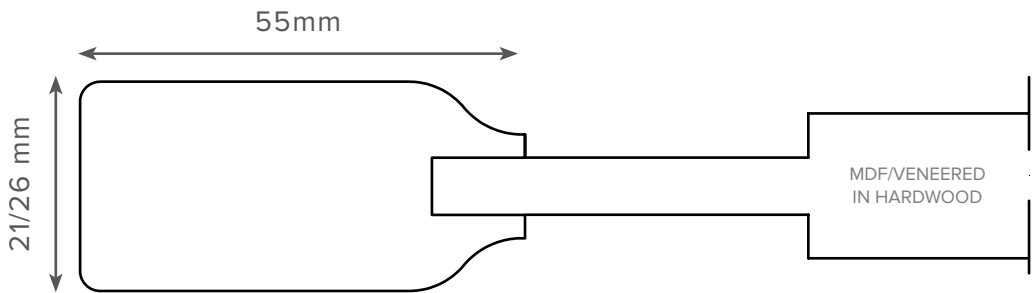
SMOOTH INTERNAL BLINDS



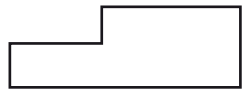
Smooth blinds produced on a lath of fir coated with MDF.
Option to veneer them with hardwood and edge them on all 4 sides.



INTERNAL BLINDS HISTORIC CENTER



FEASIBLE MOULDED PROFILES



PROFILE J0



PROFILE J1



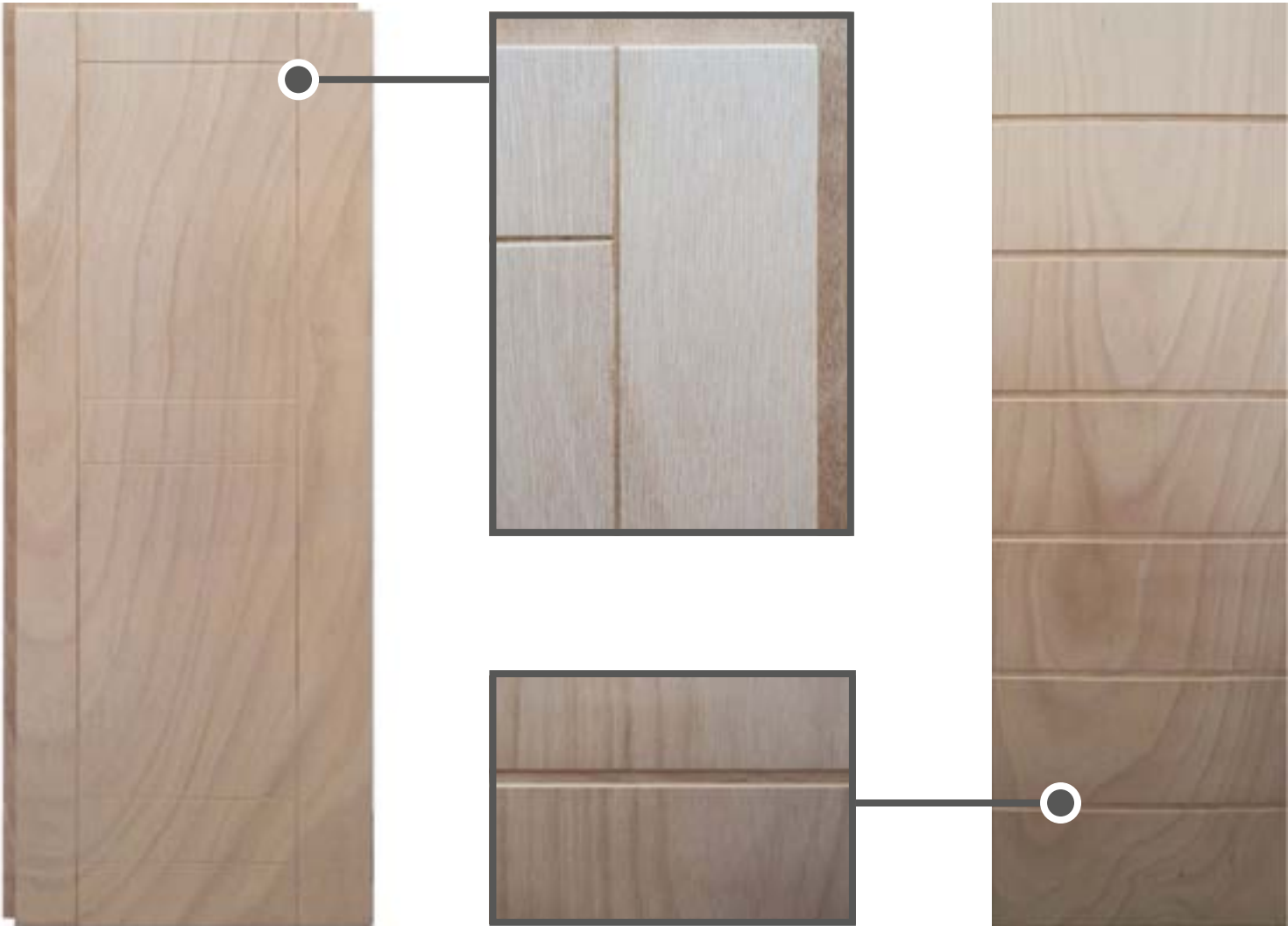
PROFILE J5

Internal blinds for historic centers
are custom-made upon customer request,
achieving a faithful reproduction of the original.
The frame profile is chosen from various offered models,
and the moldings can be worked on one or two sides.





EXTERNAL BLINDS



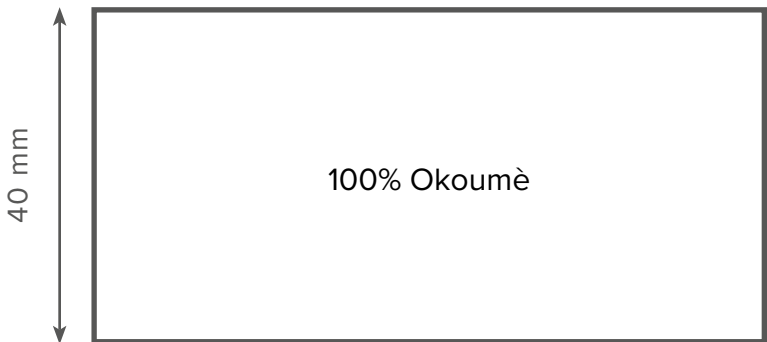
The panels used for external blinds are manufactured with a support made of **100% okoumé**, suitable for outdoor use.

We can supply them either squared or with custom-designed edges.

Upon request, they can be veneered on both sides with vertical or horizontal grain.

The outer edge of the blind will remain exposed, made entirely of okoumé.

Engravings or pantographing can be done upon customer request.



PANELING



90° milling



Round milling



U-shaped milling



R-shaped milling

PANTOGRAPHING



H3 90° angle

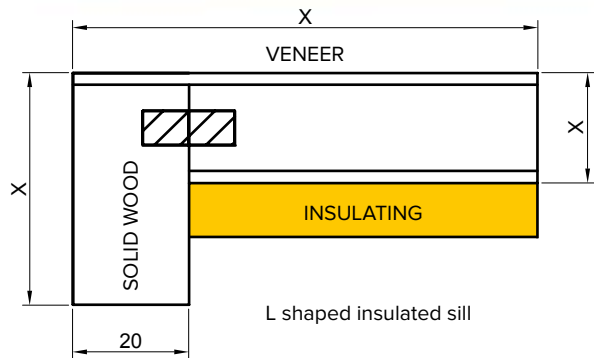
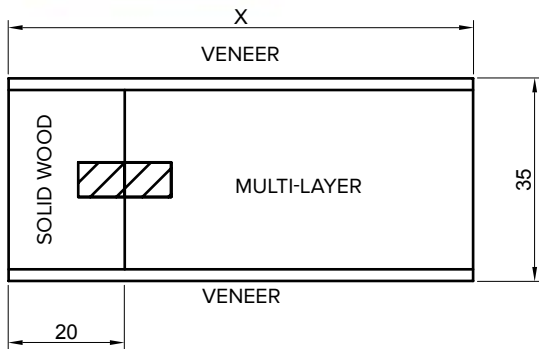
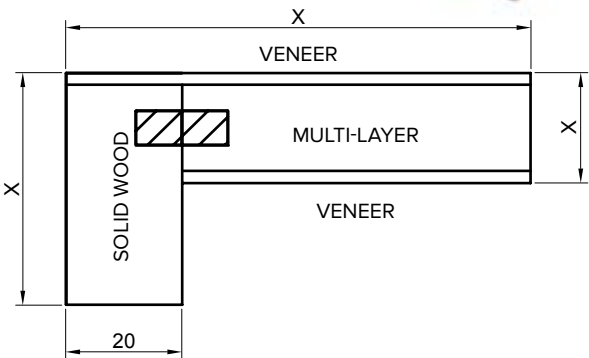


H3 round corner

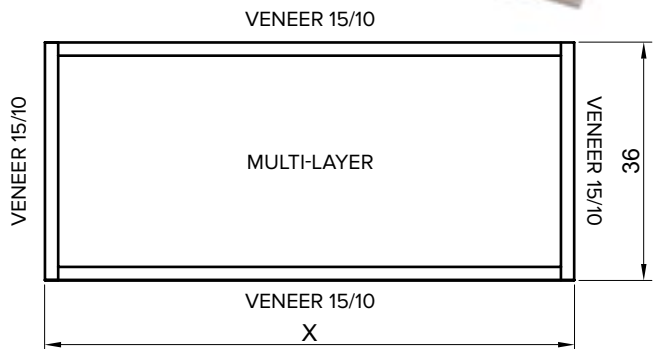
WINDOWSILLS



Sills produced in hardwood, which can have three solid sides or only the front.
They are produced both squared and with straight cut as shown in the picture, depending on the customer’s needs.

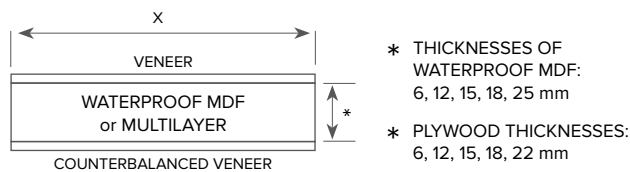


STEPS



The steps are custom-made according to the customer’s design, with a **plywood backing coated in 15/10 hardwood veneer** and then **edged**, or with a solid wood front.

PADDING



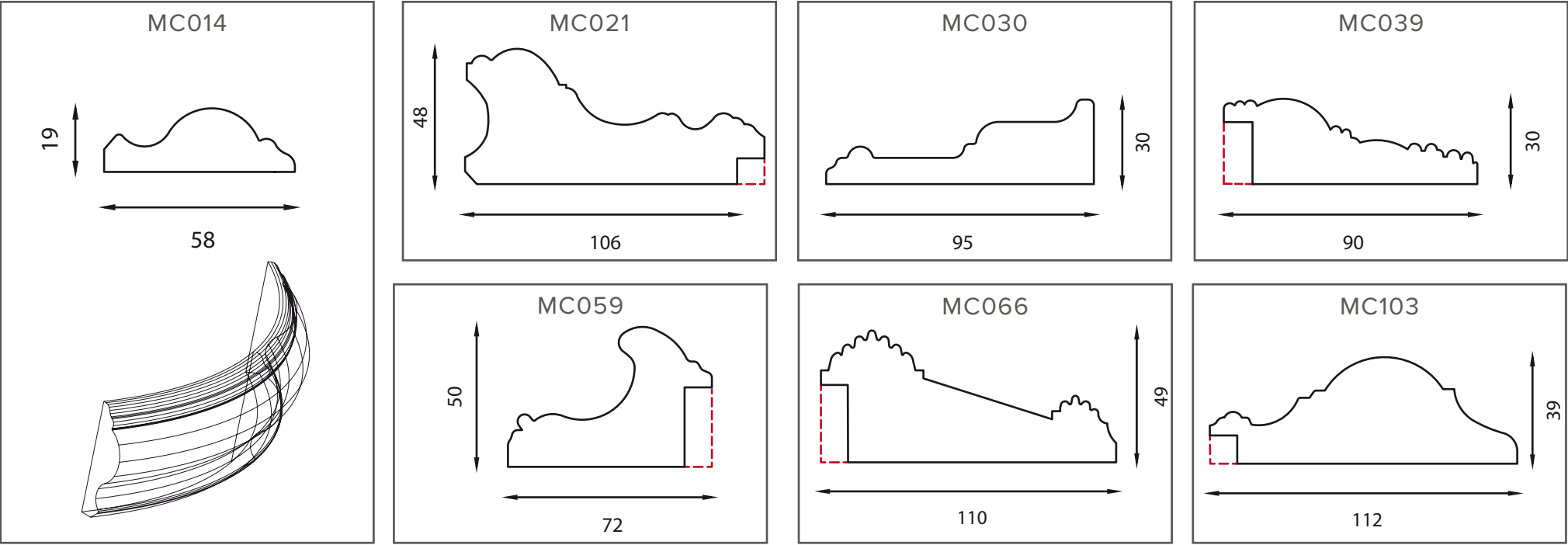
Smooth panels produced on a support of **waterproof MDF** or **plywood**, veneered on **one side with veneers** of 6/10 or 15/10 and **counterbalanced**.
Visible support on the edge, but with the option to edge it if not exposed to the weather.
Visible support on the edge, but with the option to trim it if not exposed to the weather.
The declared thicknesses are nominal of the support, excluding veneer, therefore for the total thickness, add the thickness of the wood veneer.



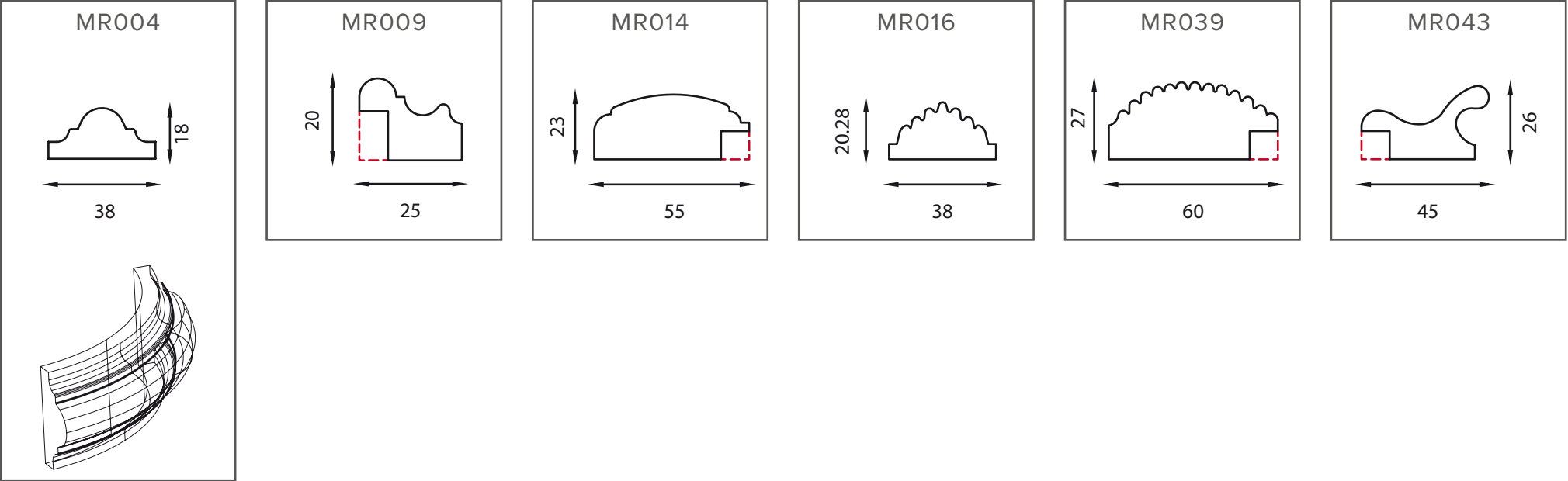
BASEBOARDS AND TRIMS

From the catalog, we have over 200 models of skirting boards and trims, and we can also produce them according to the customer’s design.

BASEBOARDS



TRIMS



SPECIAL LASER MACHINING



Upon customer's design, we can carry out laser machining on organic materials with a maximum thickness of 20 mm.

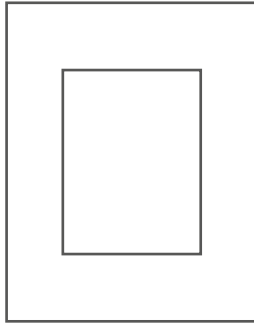


WINDOW STOPS
ENGLISH STYLE

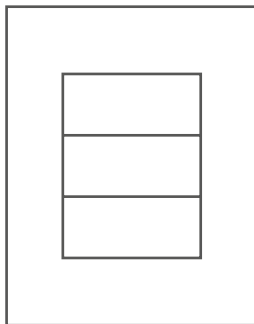


WINDOW STOPS FEASIBLE VERSIONS

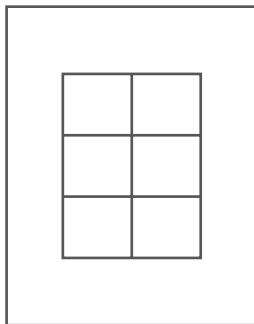
A



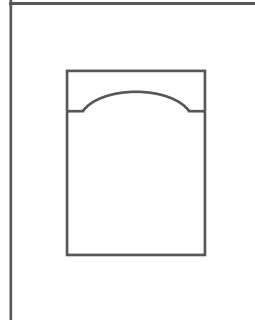
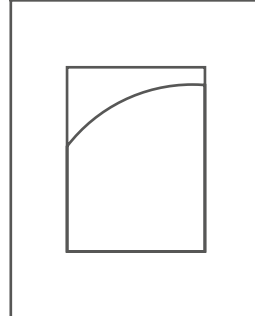
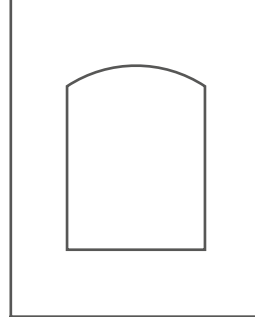
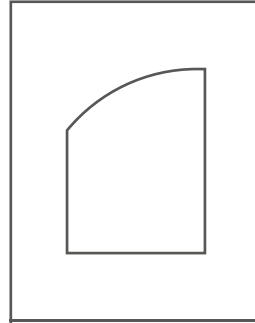
B



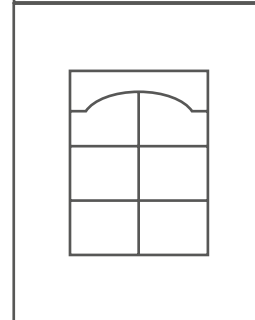
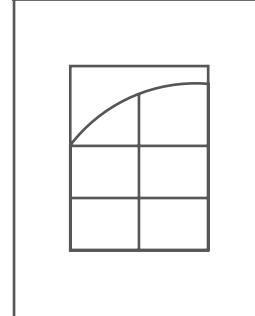
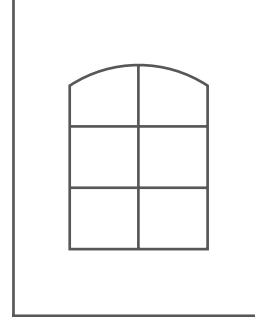
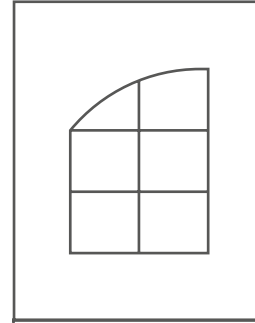
C



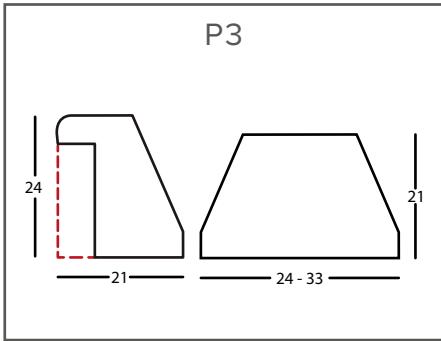
D



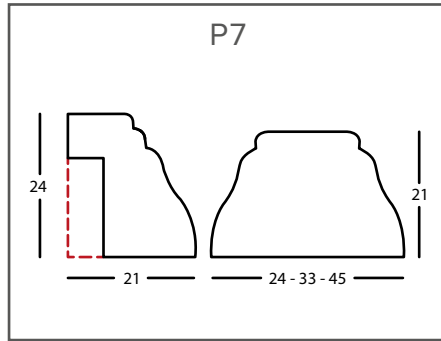
E



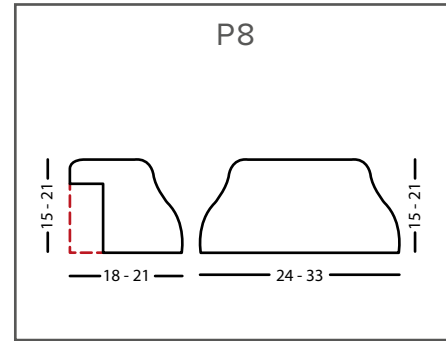
WINDOW STOPS
ACHIEVABLE PROFILES



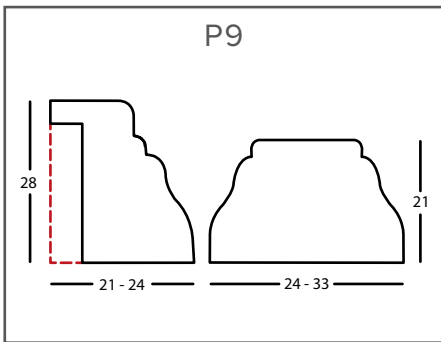
COMPATIBILITY: A - B - C - D - E



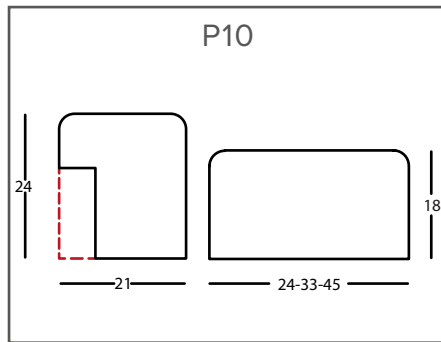
COMPATIBILITY: A - B - C - D - E



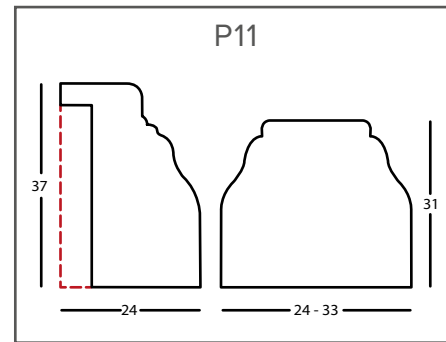
COMPATIBILITY: A - B - C - D - E



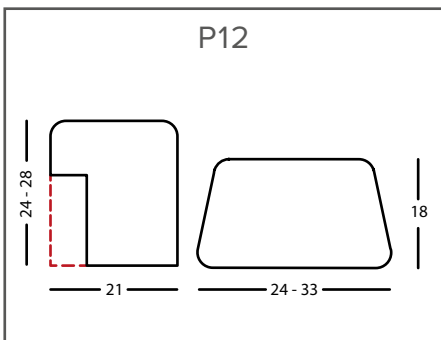
COMPATIBILITY: A - B - C - D - E



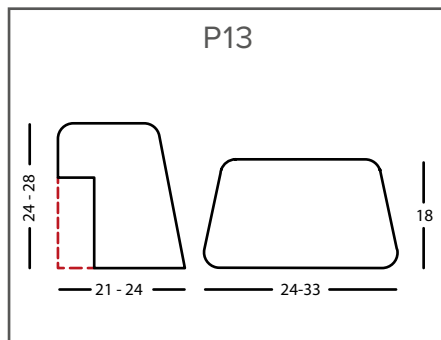
COMPATIBILITY: A - B - C - D - E



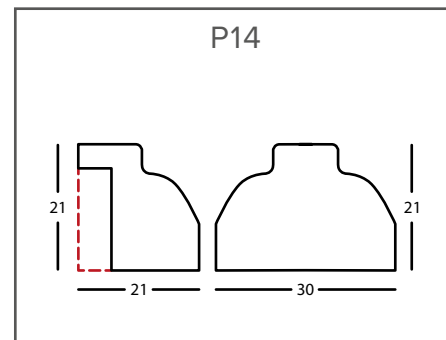
COMPATIBILITY: A - B - C - D - E



COMPATIBILITY: A - B - C - D - E

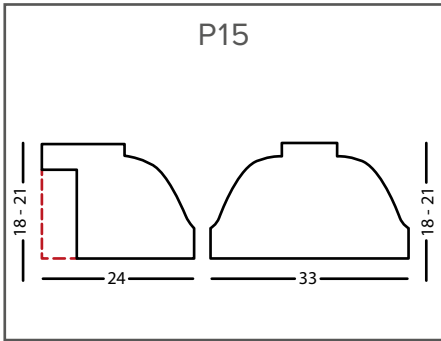


COMPATIBILITY: A - B - C - D - E

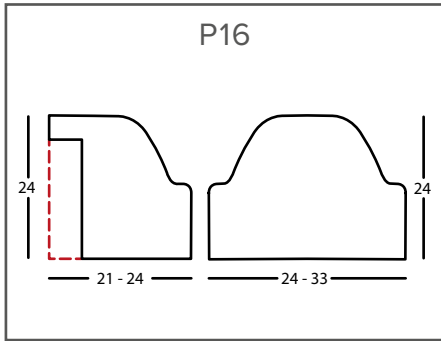


COMPATIBILITY: A - B - C - D

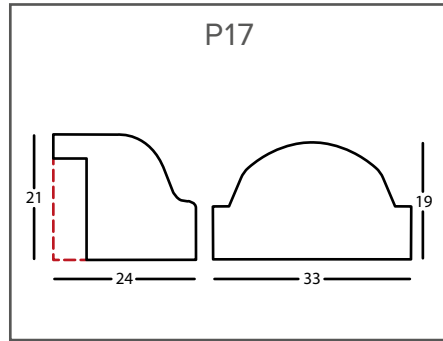
WINDOW STOPS
ACHIEVABLE PROFILES



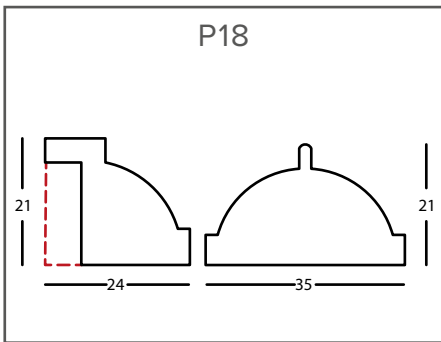
COMPATIBILITY: A - B - C - D



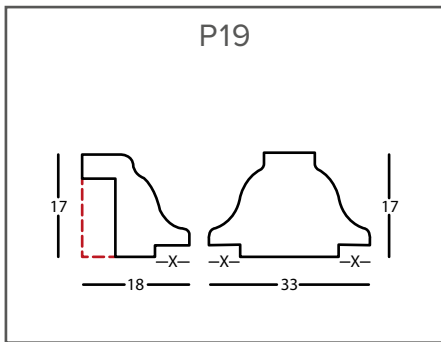
COMPATIBILITY: A - B - C - D



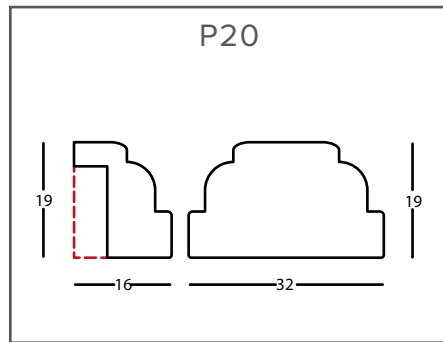
COMPATIBILITY: A - B - D - E



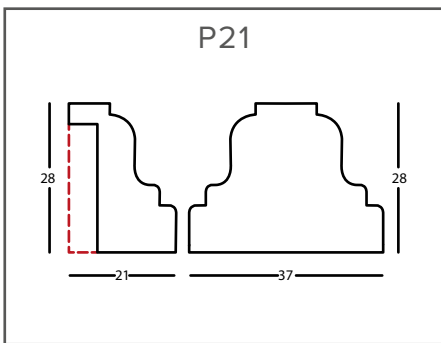
COMPATIBILITY: A - B - C - D - E



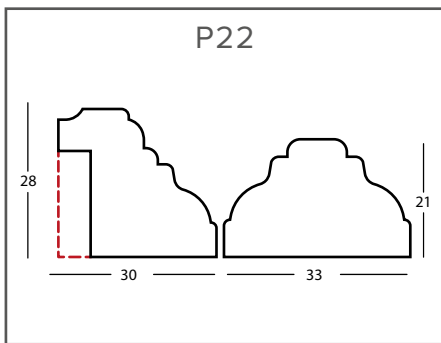
COMPATIBILITY: A - B - C



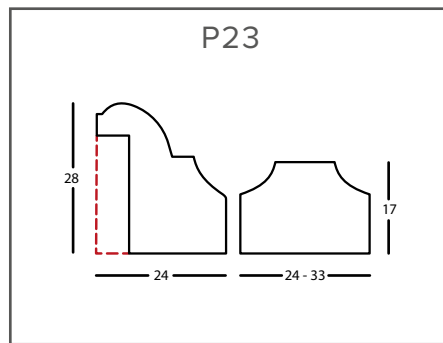
COMPATIBILITY: A - B - C - D - E



COMPATIBILITY: A - B - C - D - E

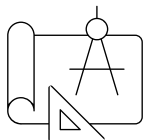


COMPATIBILITY: A - B - C - D - E

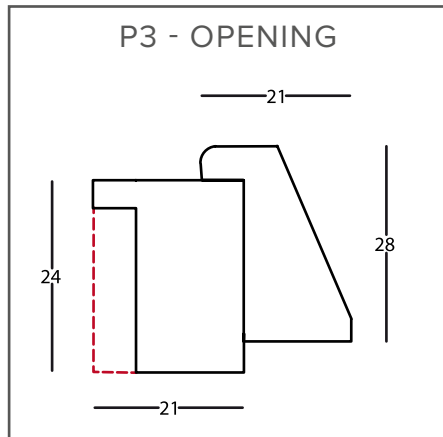


COMPATIBILITY: A - B - C - E

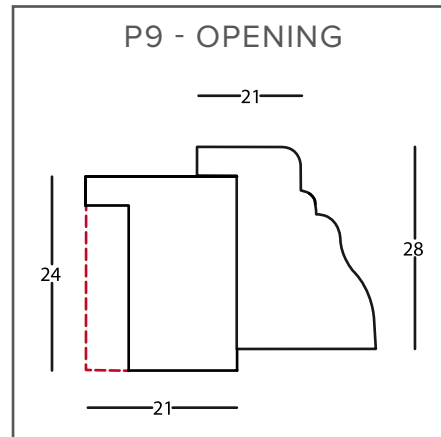
CUSTOM MADE



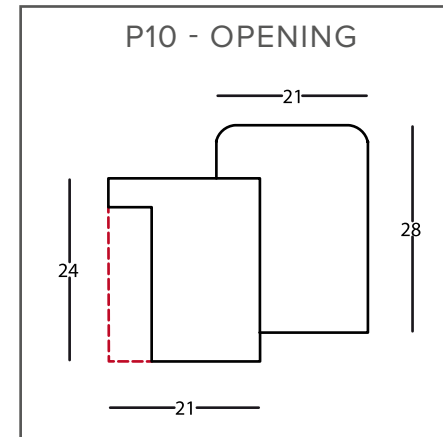
WINDOW STOPS OPENING



COMPATIBILITY: A - B - C - D - E



COMPATIBILITY: A - B - C - D - E



COMPATIBILITY: A - B - C - D - E

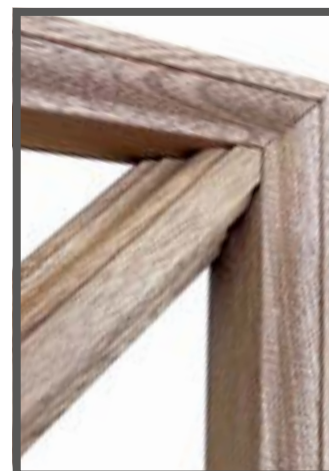
MAX. SWING 20 mm



Adjustable window stops made with a fixed perimeter stop and an adjustable stop according to the design.

The whole set is provided with brass hinges and bushings that will house the closing screws.

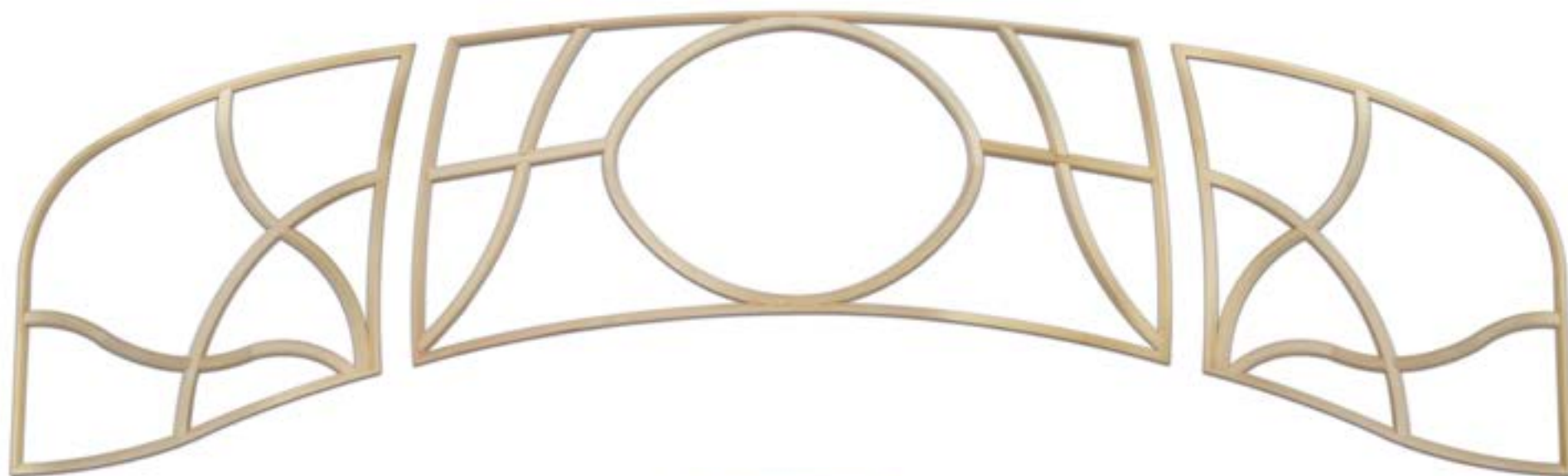
CUSTOM MADE WINDOW STOPS



The entire set comes with brass hinges and bushings designed to accommodate the securing screws.



IMPOSSIBLE



WINDOW STOPS
HISTORIC CENTER

P7R MODEL

P7 MODEL



WINDOW STOPS



Torino

Napoli

WINDOW STOPS



CUSTOM MADE

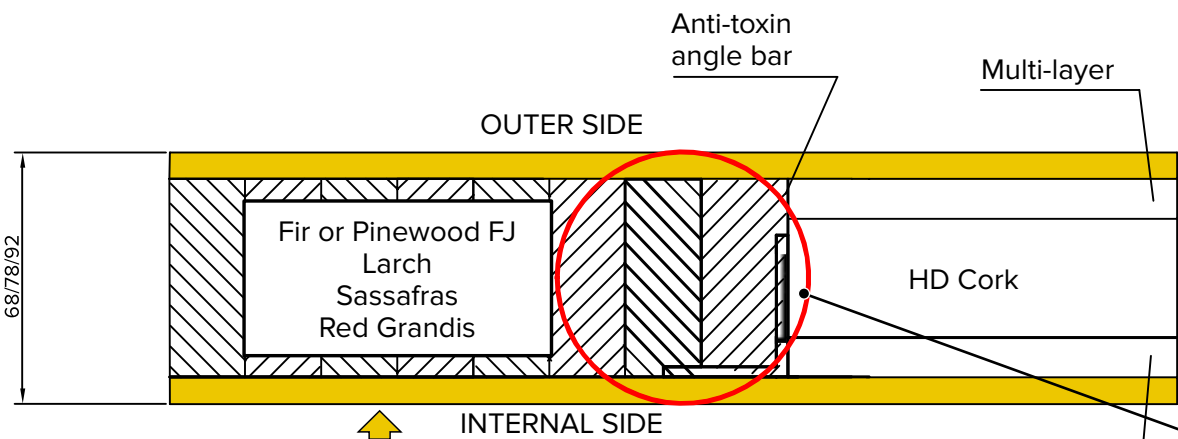


LAMTECH INSULATED SHUTTERS



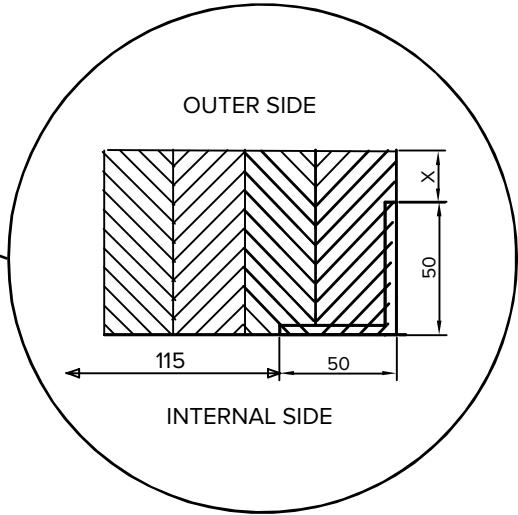
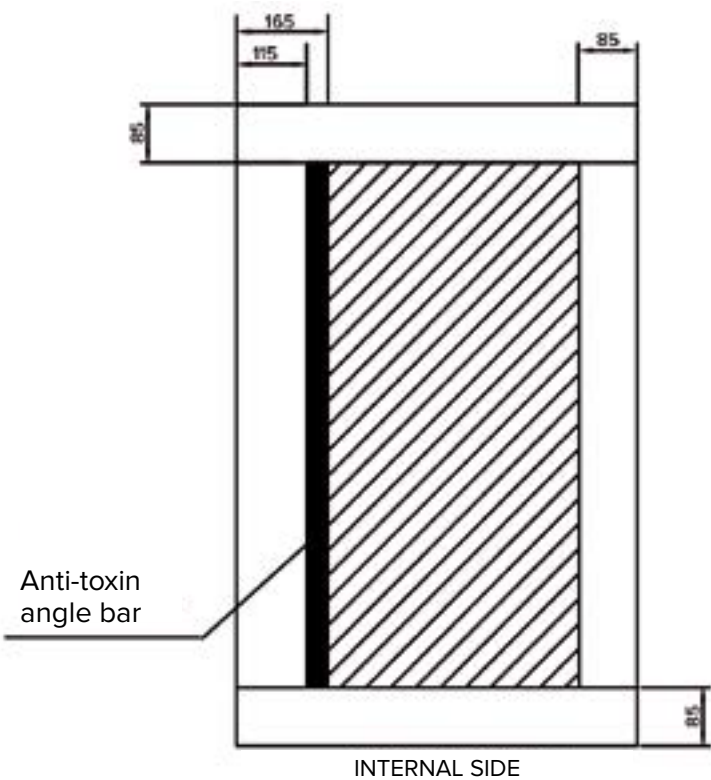
Eco-friendly insulated Lamtech shutters produced with a thickness ranging from **68 to 92 mm** according to customer's request, provided with thermal certifications calculated using the **Frame Simulator** program referencing **UNI EN ISO 10077-1** standard, as well as acoustic certifications. The shutters are made with a solid laminated perimeter, insulated with **HD cork**, and the external supports can be chosen from **MDF, plywood, or 100% Oak-Okoumé-Fir**. We can produce them according to the customer's design, brush them, and coat them with a choice of over **25 types of wood veneer**.

SWING DOOR COMPOSITION



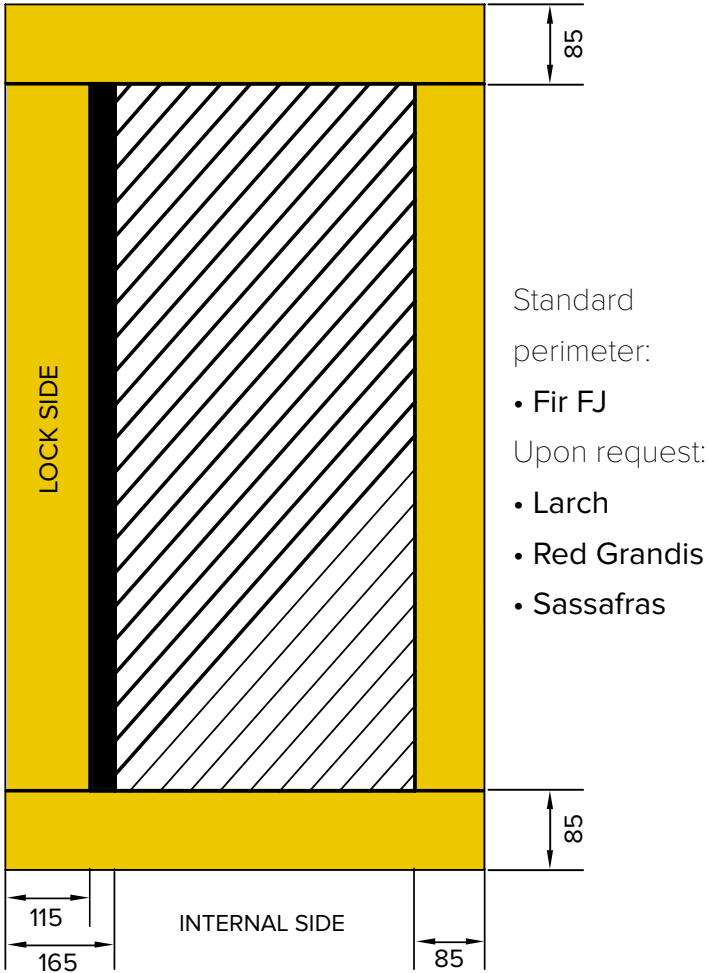
EXTERNAL AND INTERNAL SIDE SUPPORTS:

- Multilayer coated in veneer
- MDF compact 1050 Kg/m³
- Coated oak
- Coated okumé
- Coated fir



	68 mm		78 mm		92 mm	
	W/m²K	dB	W/m²K	dB	W/m²K	dB
External plywood structure Gluing AW100	0,87	35	0,79	35	0,57	35
External structure in waterproof MDF Compact (1050 Kg/m3)	0,88	40	0,80	40	0,58	41

CUSTOMIZATIONS



VV Vertical grain



VO Horizontal grain



VC Mixed grain

INTERNAL/EXTERNAL SUPPORTS



WATERPROOF MDF
COMPACT
(1050 Kg/m³)



MULTI-LAYER
GLUING AW100
COATED IN VENEER

SUPPORTS IN VENEER



100% OKOUMÉ



100% FIR



100% OAK

CUSTOMIZATIONS



Windowed version



Paneled version



Pantographed version

PANELING



90° Milling



Round milling



U-shaped milling



R-shaped milling

PANTOGRAPHING

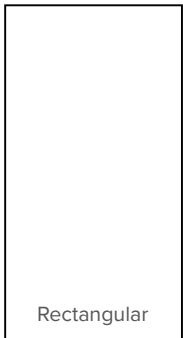


H3 90° angle

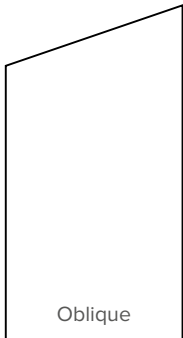


H3 round corner

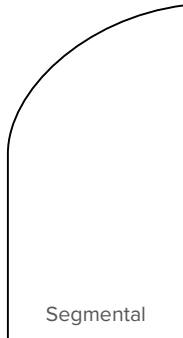
FEASIBLE VERSIONS



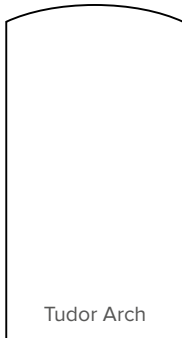
Rectangular



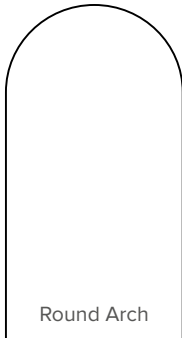
Oblique



Segmental



Tudor Arch

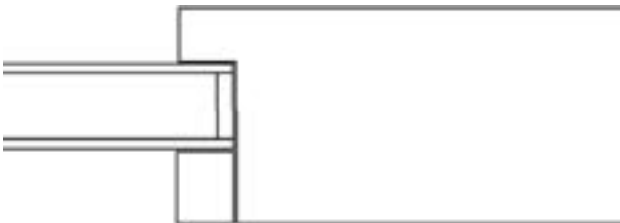


Round Arch



An attestation of thermal transmittance is attached to each leaf through the **Frame Simulator** program referring to the **UNI EN ISO 10077-1** standard.

Detail of the windowed version with a stopper applied only on the internal side flush with the structure.



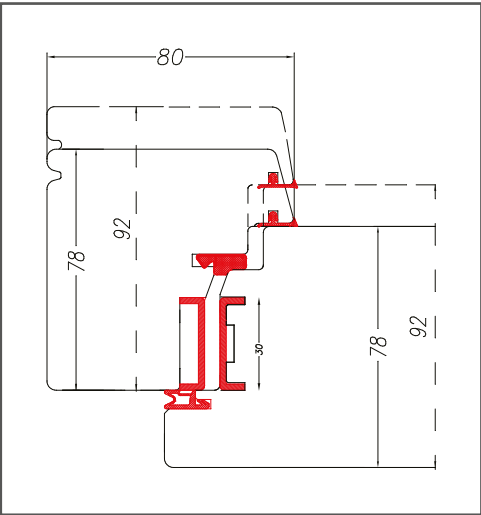


LAMTECH ENTRANCE DOORS (LEAF + FRAME)

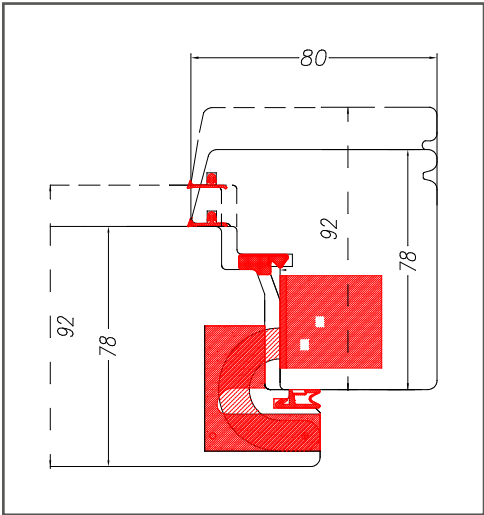
Our entrance doors are made with thicknesses ranging from **78-92 mm** and can have a frame of either **80 mm** in rebate or a **65 mm** flush external and/or internal frame.

The entrance doors can be customized according to the customer's design and can be brushed and veneered with over 25 types of wood veneers. We can supply them complete with gaskets, brush seals, draught excluder blade, and thermal break threshold. The customer can choose between two types of hinges, **Baka 4030 3D FD** or **Tectus Te 680 3D FD**, and between two types of locks, **Fuhr 855 mechanical GL** or **Fuhr 835 automatic**. For entrance doors with a thickness of **92 mm**, we can issue the **RC3** certification.

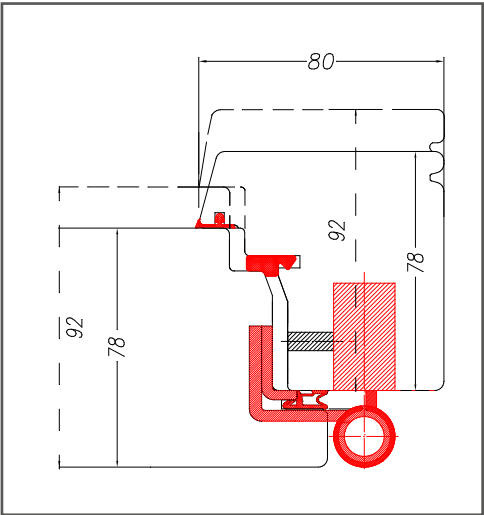
VERSION WITH REBATE FRAME



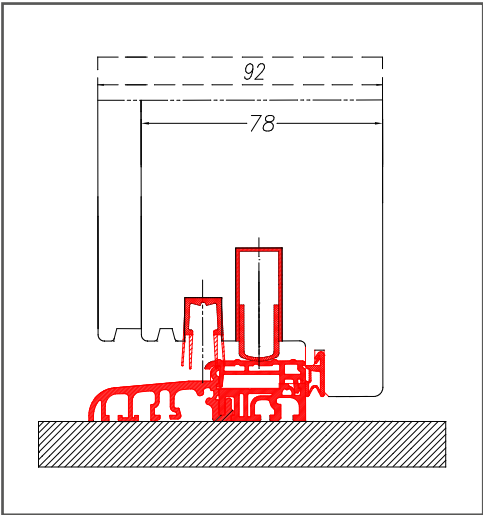
LOCK SIDE



HINGE SIDE FLUSH
WITH TECTUS INTERIOR

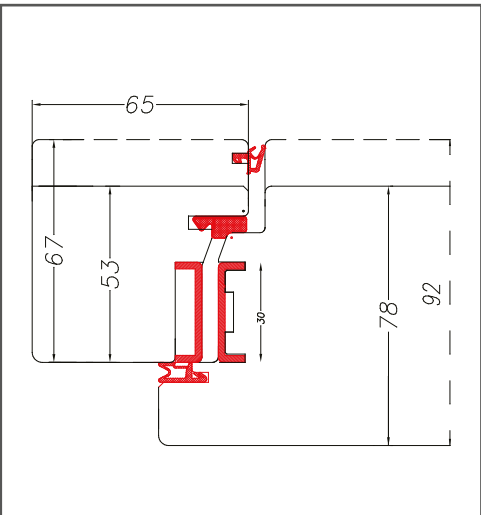


HINGED SIDE BAKA

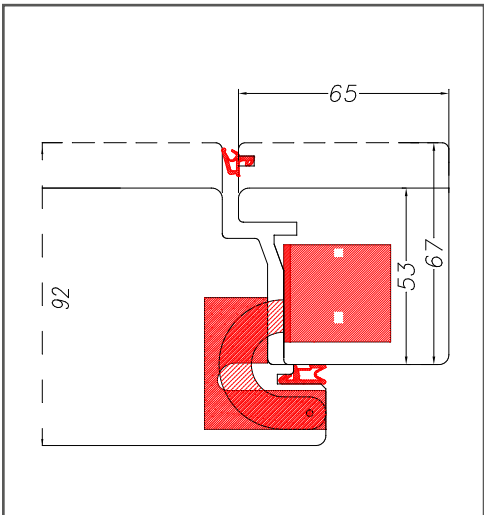


THRESHOLD SIDE

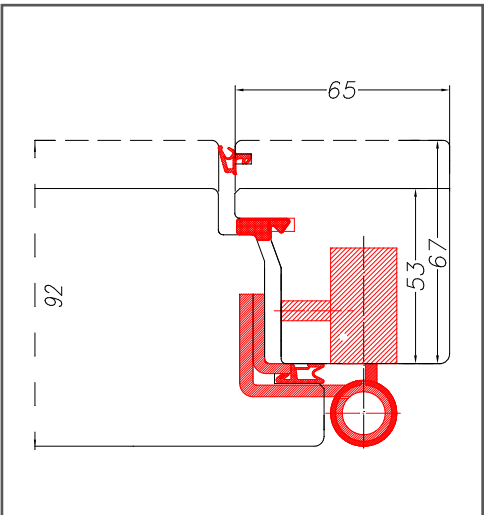
VERSION WITH FLUSH FRAME



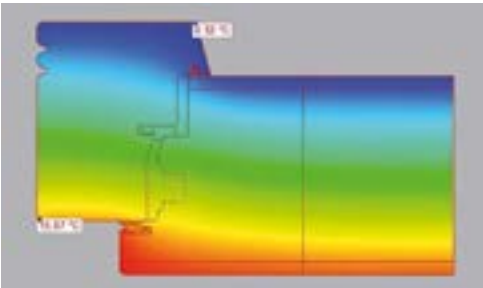
LOCK SIDE



HINGE SIDE FLUSH WITH TECTUS
EXTERIOR AND INTERIOR



HINGE SIDE FLUSH
WITH BAKA EXTERIOR



THERMAL TRANSMITTANCE

An attestation of thermal transmittance is attached to each entrance door through the **Frame Simulator** program referring to the **UNI EN ISO 10077-1** standard.

VENEERS



TULIPWOOD



ORGANIC FIR
2ND PATINA



FIR



ORGANIC LARCH
2ND PATINA



HEMLOCK



CHESTNUT*



TANGANIKI



DOUGLAS FIR



Jointed striped grain

Oak 15/10 mm with knots

CHERRY



OKOUMÈ PLYWOOD
15/10 mm



WALNUT



LARCH*



Jointed flame grain

Larch 15/10 mm with knots

OAK*



PINE (STRIPED)
15/10 mm



ASH*



Jointed planked effect

Fir 15/10 mm with knots

*Striped or flame finish

Fir/Larch/Oak 15/10 mm upon customer's request



MANGO
SEMILAVORATI IN LEGNO

LA TECH
MANGO



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