



# CATALOGUE

WINDOWS AND EXTERIOR DOORS



#### INTERACTIVE CATALOGUE

To learn more, follow the instructions:

Windows

WINDOWS AND EXTERIOR DOORS

If you want to see only one of the subjects in the catalogue, click on that subject to access the corresponding page.

MESTRE RAPOSA

WINDOWS AND EXTERIOR DOORS



When you are browsing the catalogue and want to return to the Index, just click on Mestre Raposa, which is at the top of the page.

If you want to go forward or return, click on the page number on the left or right.

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# **OUR STORY**

Founded more than 15 years ago, Mestre Raposa is one of the main companies of reference in the windows and doors market in Portugal, with over 5000 successful projects to our name.

Our success is due to a combination of years of dedication to our bussiness, our experience, the quality of our products and our search for excellence in our installation service, and at all times respecting the highest German standard and procedures.

We are proud to say that the houses in the most beautiful and exclusive areas of southern Portugal are equipped with our windows and doors.

15 years of experience

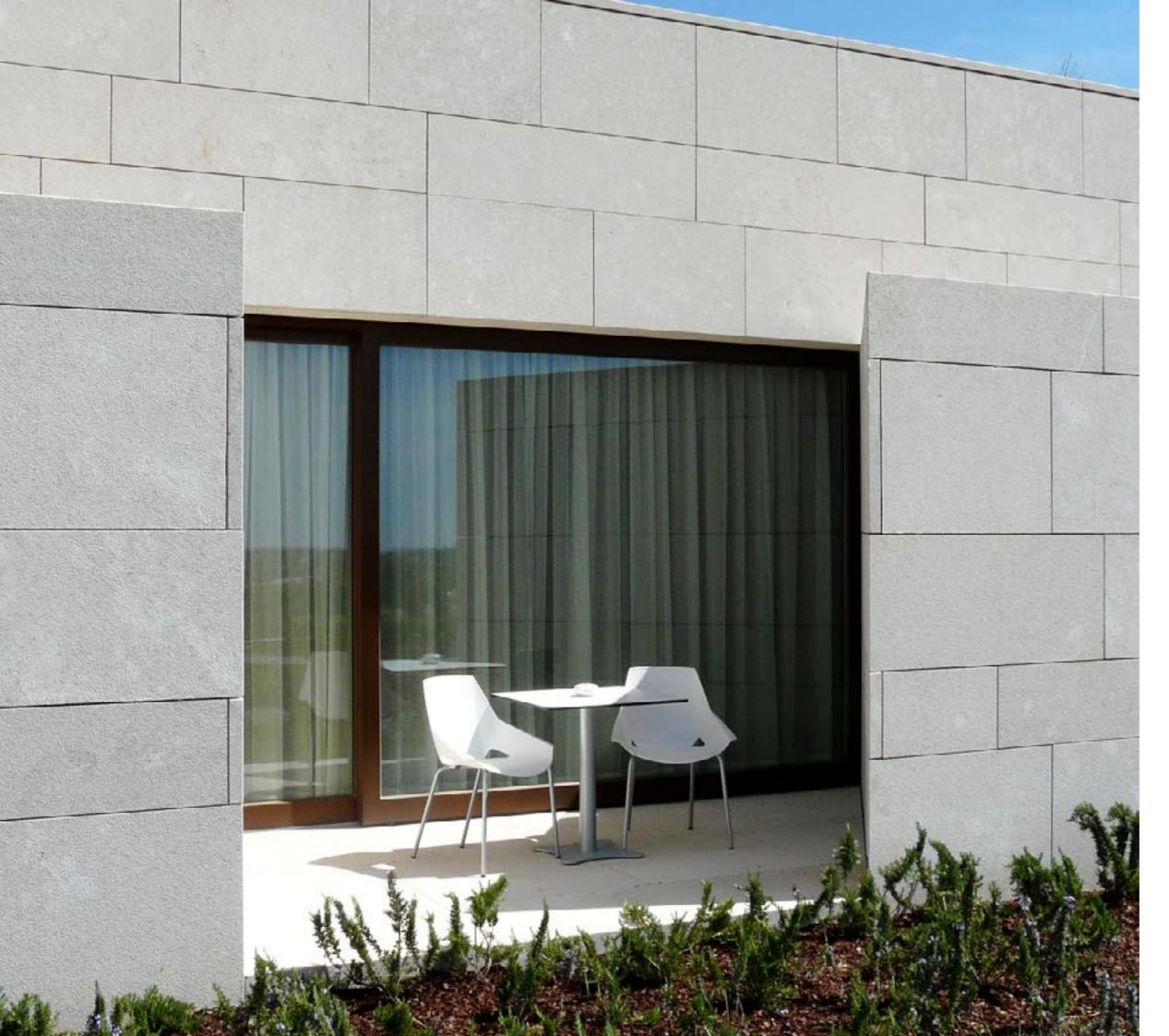
projects

employees









#### WOOD RANGE

Standard Profile Traditional Window Balcony Door Lift & Slide Door Bi-folding Door Entrance Door

#### WOOD-ALUMINIUM RANGE

Classic Profile Linear Profile Quadrat Profile Soft Line Profile Retro Profile Passive MR Profile

#### **PVC RANGE**

Brügmann bluEvolution: 82 AD PVC Alu Look + PVC Wood Look

# **WINDOWS**

## **WOOD WINDOWS**

Mestre Raposa's wood windows can be completely bespoke in what size and shape is concerned, to fit any design or architectural style. They are available in a wide variety of woods, colours and finishes, including different coatings, varnishes and impregnations.

With good thermal and acoustic insulation, it also offers protection against the weather and its elements, due to our special surface treatment. Highly durable, they are resistant to continuous wear and tear but, because our homes and tastes change with time, they can always be altered with different colours and finishes, so you never get tired of them!

Wooden windows are becoming more and more popular, thanks to the combination of qualities such as their resistance, excellent technical performances and ecological features, but also because of their aesthetic and versatility – they satisfy all the requirements of the historic preservation of buildings but can also be used in the most modern and cutting-edge architectural projects.

#### WOOD

Choosing wood windows is choosing a 100% recyclable material and cherishing the environment and its resources. Wood prevents static electricity, thus decreasing the possibility of getting those annoying shocks in cold or dry weather, and it presents excellent static quality in what expansion and contraction when exposed to extreme temperatures – in both cold and heat – is concerned. Choosing wood windows is choosing a 100% recyclable material and cherishing the environment and its resources. Wood prevents static electricity, thus decreasing the possibility of getting those annoying shocks in cold or dry weather, and it presents excellent static quality in what expansion and contraction when exposed to extreme temperatures – in both cold and heat – is concerned.



#### **WOOD TYPES**









Pine Uf = 1,3 W/(m<sup>2</sup>K)

Oak Uf = 1,4 W/(m<sup>2</sup>K)

Larch Uf = 1,3 W/(m<sup>2</sup>K)

Meranti Uf = 1,4 W/(m²K)

Profile: Triple laminated, resistance DIN EN 204 (D4)









Pine Uf = 1,3 W/( $m^2K$ )

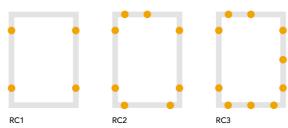
Oak Uf = 1,4 W/(m<sup>2</sup>K)

Larch Uf = 1,3 W/(m<sup>2</sup>K)

Meranti Uf = 1,4 W/(m<sup>2</sup>K)

Hardware: GU, Siegenia, Maco ou Roto

#### Anti-intrusion





Air permeability Class 4



Water tightness Class 9A



Wind resistance Class C3

#### System certified by:

FCBA, l'Institut Technologique Forêt Cellulose Bois-construction Ameublement Window MR 68 tested by FCBA, test report AEV FCBA n° 404/18/75/9555-1 to 31/05/2018 Passive Window MR 68 tested by FCBA, test report AEV FCBA n° 404/18/75/9555-2 to 31/05/2018

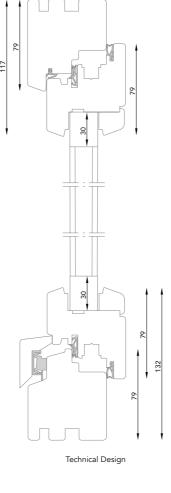
Itecons - Instituto de Investigação e Desenvolvimento Tecnológico para a Construção, Energia, Ambiente e Sustentabilidade Reports: CXL036/18, CXL039/18, CXL040/18 to 27/03/2018

# Standard Profile

Ref: MR 68, MR 78, MR 88 Available in: Pine, Oak, Larch, Meranti

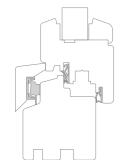




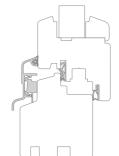


#### **RAIN SHIELD**

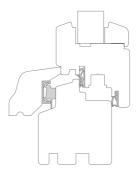
#### Standard Ref: 401



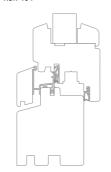




Retro Ref: 403



Modern Ref: 404



#### TRADITIONAL WINDOW

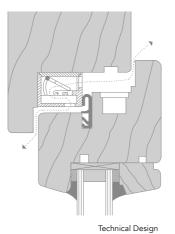
Ref: MR 67G



#### CHARACTERISTICS

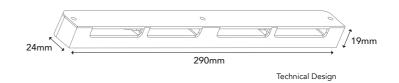
- Double Glazing: 26mm (4+16 Argon/warm edge+6)
- Glazing Bars: On the glass, in space bar inside the glass
- Finish: Paint, Varnish

#### **VENTILATION GRILLS FOR TIMBER WINDOW PROFILES**



Regel-Air H - Type 24

A perfectly adapted solution to improve the circulation of air.



The ventilation grills are not visible on the inside or outside of the window. Thus, the design of the window does not change with the inclusion of ventilation system, as usually happens with other traditional ventilation systems.

# BALCONY DOOR

Ref: MR 68, MR 78, MR 88



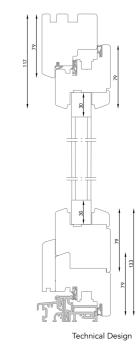


#### CHARACTERISTICS

- Double Glazing: 26mm (4+16 Argon/warm edge+6)
- Glazing Bars: On the glass, in space bar inside the glass
- Finish: Paint, Varnish

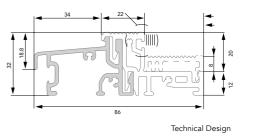






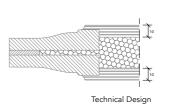
ALUMINIUM THRESHOLD FOR BALCONY DOOR



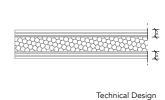


PANEL TYPES



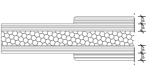






Raised Ref: 061





Technical Design

Squared Ref: 063

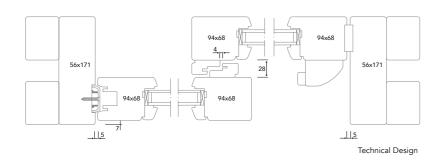
Vertical Slats Ref: 064

# LIFT & SLIDE DOOR

Ref: MR 68LC, MR 88LC

WINDOWS AND EXTERIOR DOORS

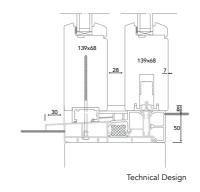




Schematic E

Schematic G

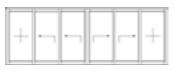
Schematic C



#### Schematics





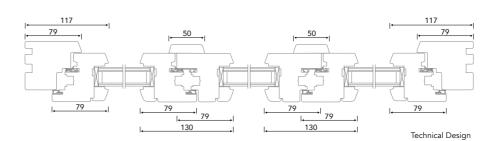


Schematic L

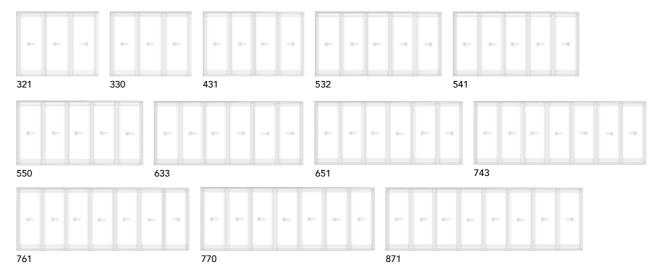
# **BI-FOLDING DOORS**

Ref: MR 68PC, MR 78PC, MR 88PC





#### Schematics



# WOOD-ALUMINIUM



Pine Uf = 0,9 W/(m<sup>2</sup>K)



Oak Uf = 0,9 W/(m<sup>2</sup>K)



Larch Uf = 0,9 W/(m<sup>2</sup>K)



Meranti Uf = 0,9 W/(m²K)

Profile: Interior: Triple laminated, resistance DIN EN 204 (D4) Exterior: Aluminium



Pine Uf = 0,9 W/( $m^2K$ )



Oak Uf = 0,9 W/( $m^2$ K)



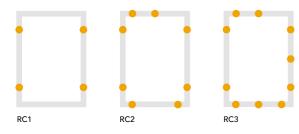
Larch Uf = 0,9 W/( $m^2K$ )



Meranti Uf = 0,9 W/(m²K)

Hardware: GU, Siegenia, Maco ou Roto

#### Anti-intrusion

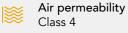


#### System certified by:

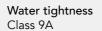
FCBA, l'Institut Technologique Forêt Cellulose Bois-construction Ameublement

Window MR 68 tested by FCBA, test report AEV FCBA  $n^{\circ}$  404/18/75/9555-1 du 31/05/2018

Passive Window MR 68 tested by FCBA, test report AEV FCBA n° 404/18/75/9555-2 du 31/05/2018









Wind resistance Class C3

Technical Design

# Classic Profile

Available in: MR 68 et MR 88



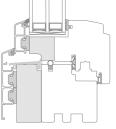


# Passive MR Profile

Available in: MR 68



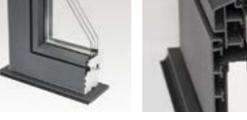




**OPTIONS:** 

# Linear Profile





Soft Line Profile





# Quadrat Profile





Retro Profile







# **UPVC**

# 73 AD

Ref: MR 73AD

#### CHARACTERISTICS

• 5 chambres

• Profile Depth: 73mm

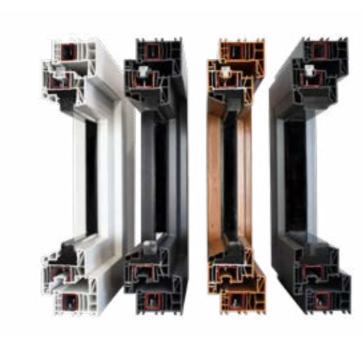
• Glass: Double glazing SGG Climalit – 1,1

• Sound insulation: up to 34 dB

• Anti-intrusion: RC 2

Thermal insulation profile: with integrated "Warm Edge"

Helps reduce energy costs and contributes significantly to the reduction of CO2 emissions. It significantly improves the insulation properties of the glass and reduces the Uw value. The space between the glasses now has a more elegant look.



#### PVC ALU LOOK + PVC WOOD LOOK

Ref: MR 82ADAL, MR 82ADW







#### PVC windows with aluminium or wood look.

Mestre Raposa offers an innovative PVC solution: you can choose between the timeless elegance of wood or the modern appearance of aluminium. A wide selection of exceptional films gives PVC windows the same look as wood or aluminium windows and defines the style of the product indoors or outdoors. The look in wood or aluminium are applied in PVC windows made with German SALAMANDER Brügmann 6-chamber profiles with 82mm installation depth and angled edges. This PVC window model has superior quality performance.



# **UPVC**

# Slim Line

Ref: MR SlimLine

#### **CARACTERÍSTICAS:**

- New UPVC window
- More 30% of natural light
- Extremely thin frame
- New handle
- $Uw = 0.89W(m^2K)$









## COOL COLOURS

Mestre Raposa uses Skai Cool Coulours – Significant reduction in the heating of the profiles in strong sunlight. Reflection up to 80% of the near-infrared radiation of sunlight and reduction of their heating by 20% or more. Made in Germany.

Na página 32 encontram-se todas as cores da gama de PVC de Cool Colours.

Clique aqui para ir para a gama de cores.

# **ENTRANCE DOORS**

Our entry doors address all the requirements needed in high quality residential doors.

They bring to every home an inimitable and welcoming charm, whether in a more contemporary style or with more classic elements and thanks to its unique hi-tech design can have different sizes and standard rectangular or non-standard shapes, arched or oblique. For each of your designs, you can combine shape and colour to your expectations, from a wide range of colours and finishes. Our profiles allow the use of different handles and special hinges (see p. 34).

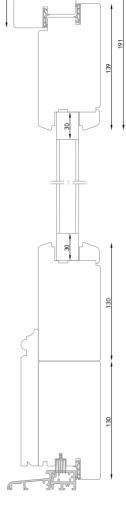
Mestre Raposa's entrance doors have a security lock with 5 locking points band 3 anti-locking hinges ajustable in three dimensions. In addition, they can be equipped with several anti-intrusion options, up to RC2, which can include laminated glass units and grills that decorate and protect at the same time.

#### WOOD

Our wood entrance doors are made of triple laminated profile, with a cross section of 68x100mm and can be opened inwards or outwards.

The height can reach up to 3000mm and its width can range from 900mm to 1200mm for a single wood entry door (1 sheet) and from 1600mm to 2400mm for a double wood entry door (with 2 sheets). Our profiles allow the usage of different sets of knobs and special hinges that can withstand up to 160kg.





Technical Design

**ALUMINIUM FLOOR** THRESHOLD FOR **ENTRANCE DOORS** 













































#### Ref: 1018 Ref: 1019

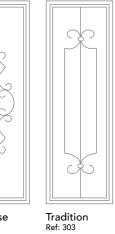
#### MODELS OF GRILL

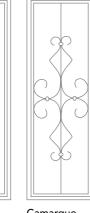
Ref: 1017

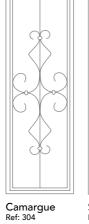
Prado Ref: 301

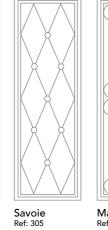


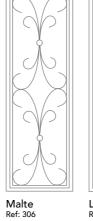


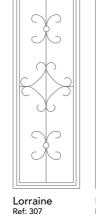


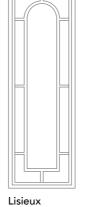






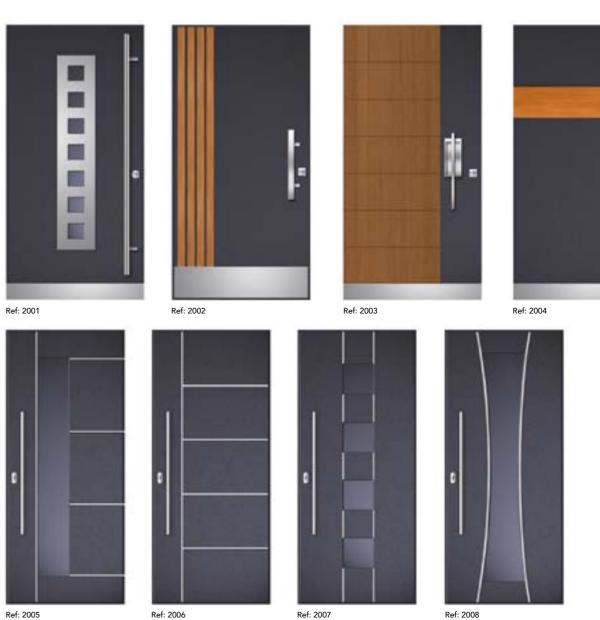






Lisieux Ref: 308

#### WOOD-ALUMINIUM



Our wood-aluminium doors are made with triple laminated profile, and have a high-strength aluminium exterior.

With this flexible combination, it has on the outside, a modern aluminium door that excels in robustness and design, and, inside, a charming wood door that creates a cosy atmosphere. The Mestre Raposa wood-aluminium entrance doors are the ideal solution for a contemporary and also traditional style, with almost no limitations.

#### **PVC**

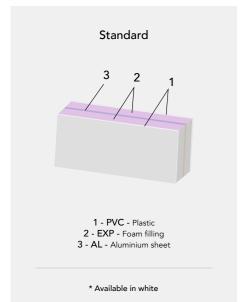
#### **TECHNICAL INFORMATION**

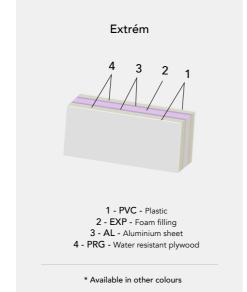
Mestre Raposa PVC entrance doors feature high structural stability.

In this 6-chamber insulation system, with a full-sized steel reinforcement which can be placed in the most optimum position, even in the middle of the profile, between the inner and outer chambers, thus perfectly isolating it from heat and cold.

The PVC door panel is also important for thermal and acoustic insulation. The structure of the panels directly influence the look and durability of your PVC door.

#### Panel Structure









- \* If you have questions about matching, see pages 36 and 37.
- \*\* The minimum width can differ depending on the type of model, from 700mm to 950mm.













Ref: 3007



Ref: 3005









Ref: 3012

# SHUTTERS

WINDOWS AND EXTERIOR DOORS

MESTRE RAPOSA









Ref: 078





Ref: 080

#### Dimentions

Ref: 076

	Interior	Exterior
Sheet thickness	24 mm	45 mm
Width of vertical blades	-	10 mm x 50 mm
Width of bar	60 mm	80 mm
Thickness of bar	60 mm	-

#### Type of installation

Minimum height: 1190 mm - Maximum height: 2990 mm

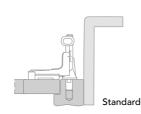
Ref: 077

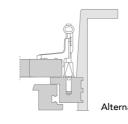
CONFIGURATION	WIDTH IN MM
1 wing	290 to 1000
2 wings	600 to 2000
2 folding wings	600 to 1200
3 folding wings	900 to 1800
4 folding wings	1200 to 2400

<sup>\*</sup> Height to be defined based on individual situations.

#### TYPE OF ASSEMBLY

#### Closing or Bi-folding





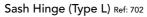




HARDWARE

Shutter Lock Ref: 701







Sash Hinge (Type T) Ref: 703



#### **ELECTRONIC SHUTTERS**









4 wing shutters

The + points of Somfy systems



Discreet and quiet They close and open perfectly.



Smooth operation The shutters will last longer.



Obstacle detection Automatically stops the motor.



Resistant to break-in The shutters lock completely when closed and when motor is forced.





Ready for home automation And Home Connected



WINDOWS AND EXTERIOR DOORS

#### **ROLLER SHUTTERS**

SYSTEM A Ref: 091



Maximum width: 3000 mm

SYSTEM B Ref: 092



Maximum width: 3000 mm

SYSTEM C Ref: 093



Maximum width: 2000 mm

#### COMMANDS

Command 1 channel Ref: 095



Command 5 channel + 1 central control Ref: 097



Colours: Silver, Anthracite and White

Command 1 channel with brightness sensor Ref: 096



Command 15 individual channels + 5 group channels + 1 central control



#### MONOTECSWITCH Ref: 099



**ECOOL** 



Command Ecool 1 channel Command Ecool 5 channels Ref: 101 Command Ecool 1 channel with screen Ref: 102

#### COOL



Command Cool 1 channel Ref: 103 Command Cool 5 channels Ref: 104 Command Cool 15 channels Ref: 105

#### TECHNICAL CHARACTERISTICS

TECHNICAL CHARACTERISTICS	FC42	FC55
Profile dimension	42 x 8.5	55 x 12.3
Number of profiles per meter and height	25	18
Weight per M2 (kg)	3.3	3.9
Recommended maximum height (m)	3	3
Recommended maximum width (m)	2.8	3.5
Recommended maximum surface area (m2)	6.0	7.5
Thickness of lacquered aluminium	0.30	0.33
Polyurethane density (kg/m3)	75	75

COLOURS / SLATS		FC42	FC55
White RAL 9003	N		
Green RAL 6005	E		
Aluminium RAL 9006	E		
Cinch RAL 7011	E		
Cream RAL 1015	Ν		
Blue RAL 5013	S		
Bordeaux RAL 3005	E		
Grey Slate RAL 7015	E		
Grey Anthracite RAL 7016	E		
Grey Graphite RAL 7024	E		
Light Grey RAL 7035	E		
Grey Traffic RAL 7042	S		
Telegris RAL 7047	S		
Champagne	S		

Colours usually in stock

Colours normally available in stock, but subject to confirmation

**E** Special





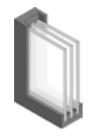


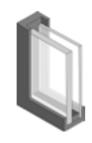
**N** Normal

**S** Super

# TYPES OF GLASS









	DOUBLE GLAZED STANDARD GLASS	TRIPLE GLAZED GLASS	DOUBLE GLAZED SOUND CONTROL GLASS	DOUBLE GLAZED SECURITY GLASS
	6/16 ARG/4 thermo	4/16 ARG/4/16ARG/6	10/16 ARG/4 thermo	44.2/16 ARG/4 thermo
Ug	1.1	0.9	1.1	1.0
Sw	81%	75%	70%	70%
g	61%	58%	38%	47%
Rw (dBa)	35	32	37	37

#### Other types of glass

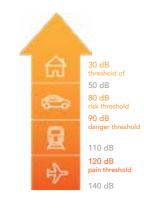
	4 Cool-Lite SKN 176 II	4 Cool-Lite SKN 176 II + 16 + 6	6 Cool-Lite SKN 176 II + 16 + 10	6 Cool-Lite Extreme 60-28 + 16 + 44-2
Ug	0.8	1.0	1.0	1.0
Sw	64%	70%	69%	59%
g	35%	37%	37%	28%
Rw (dBa)	36	35	39	37

Ug - Coefficient: Refers to the thermal insulation of the glass.

Sw - Coefficient: Refers to the solar transmission performance.

g - Solar Factor: Expresses the global transmission of energy, ie the total amount of solar energy passing through a glazed window and its contribution to the heating of the room.

Rw coefficient (dBa): Is the sound insulation index, which shows the ability of a glazed window to block the transmission of sounds from outside.



#### **GLASS DECORATION**







Chinchilla Ref: 012



Satinovo Ref: 013



Silvit clair Ref: 014

Delta clair Ref: 015

Gothique Ref: 019



Madera Ref: 016



Water drop Ref: 017



Delta mat Ref: 018





Master carré Ref: 021



Niagara clair Ref: 022

#### INTEGRATED "WARM EDGE"







**GLAZING BARS** 

#### Integrated spacer



Standard Ref: 201 Traditional Ref: 202

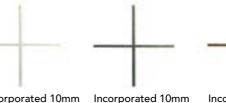


Retro Ref: 203





#### Glazing Bars incorporated in aluminium



Incorporated 10mm White Ref: 001 Plomb Ref: 002



Laiton Ref: 003



Incorporated 26mm Two colors int. and ext. Ref: 004



Incorporated 26mm Incorporated 45mm White Ref: 006





















#### RANGE OF COLOURS

# WOOD, ALUMINIUM AND PVC

We have a wide range of finishes of all types of wood, in addition to the sixteen colours (left page), there are still the options of matt or gloss lacquer.

There are also eight colours for the aluminium finish (right page). In the next two pages, there are forty-four colours for PVC.

Make your choice, you're sure to find the right colour for your home







RANGE OF COLOURS - ALUMINIUM





\* Available in matt varnish or glossy varnish.











# WOOD IMITATION Douglas Fir Ref: 607 Macore Ref: 605 Mahogany Ref: 602 Dark Oak Ref: 604 Vermont Ref: 610 Walnut Ref: 603 ALUMINIUM IMITATION Structured Basalt Grey Ref: 617 Structured Light Grey Ref: 614 Structured Metbrush A Ref: 613 Satin Basalt Grey Ref: 618 Structured Grey Ref: 619



#### **RANGE OF COLOURS - PVC**

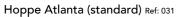
- $^{\star}$  All these colours are available only for PVC windows.
- $\color{red} \bullet$  All colours indicated with this symbol are "Cool Colors" TM

#### WINDOWS AND EXTERIOR DOORS

MESTRE RAPOSA

HANDLES - MODERN STYLE

#### WOOD AND WOOD-ALUMINIUM WINDOW HANDLES





Hoppe Austin Ref: 032







Technical Design 11 22

Technical Design

F1 Aluminium Silver F9 Aluminium Steel F3 Aluminium Gold RAL 8707 Dark Brown RAL 9016 Traffic White

#### PVC WINDOW HANDLES

Hoppe Luxembourg Ref: 033



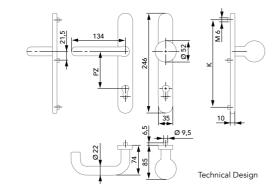


# Technical Design

#### ENTRANCE DOOR HANDLES

35A/1040 G6/S Ref: 034

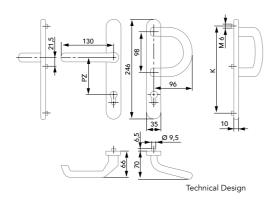




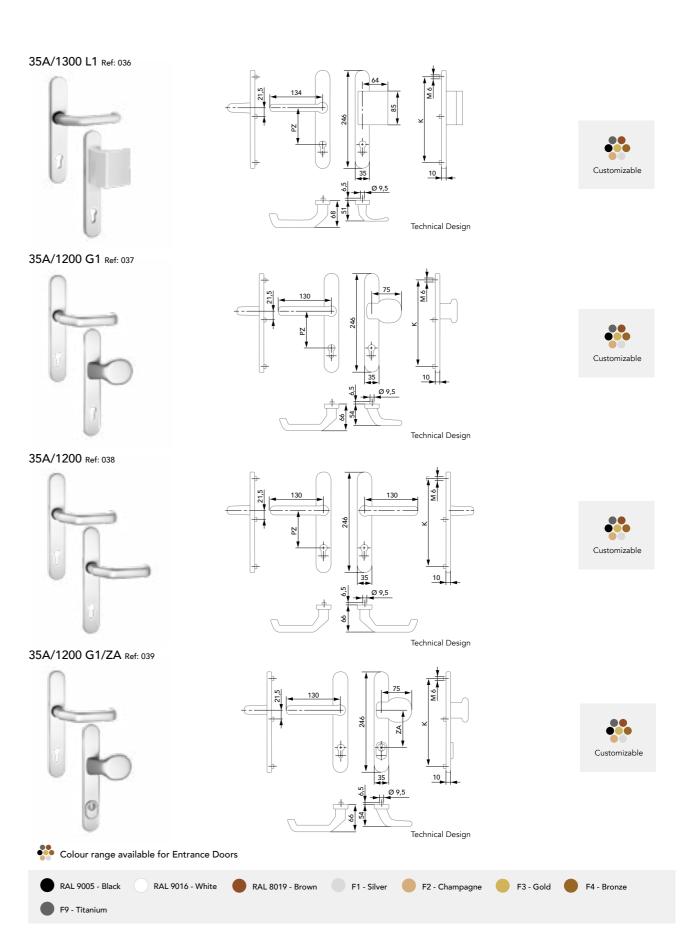


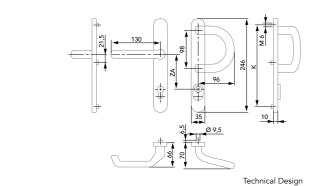
35A/1200 P Ref: 035



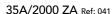




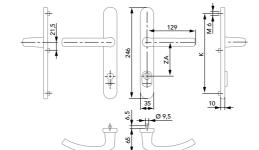










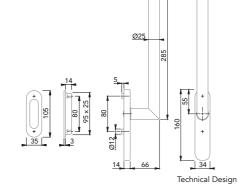


Technical Design



#### LIFT & SLIDE HANDLES

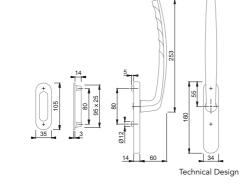
































#### **BI-FOLDING HANDLES**

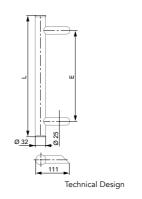
Ref: 042



#### **VERTICAL BARS**

Ref: 042





330 mm 400 mm 500 mm 600 mm 800 mm 1000 mm 1200 mm 1400 mm 1600 mm 1800 mm



# HANDLES - TRADITIONAL STYLE

#### WOOD AND WOOD-ALUMINIUM WINDOW HANDLES

#### Hoppe Singapore Ref: 043







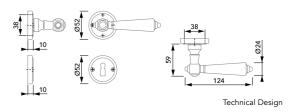
Technical Design

#### WOOD AND WOOD-ALUMINIUM BALCONY DOOR HANDLES

#### Hoppe Singapore Ref: 044

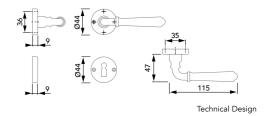


Antique Brass



#### Hoppe Elba Ref: 045





WINDOWS AND EXTERIOR DOORS

MESTRE RAPOSA

#### WINDOWS AND EXTERIOR DOORS



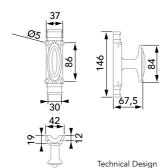
Aluminium Silver







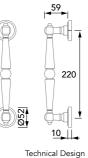




#### VERTICAL HANDLES FOR WOOD AND WOOD-ALUMINIUM WINDOW

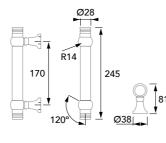
Hoppe M476/15 Ref: 047







Hoppe 509 Ref: 048



Technical Design

#### FRENCH STYLE HANDLES FOR WOOD WINDOW

Fausse Crémone Arinov Ref: 046

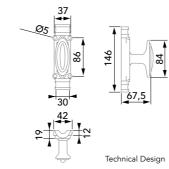




Aluminium Gold



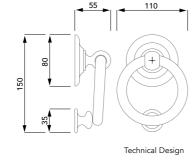




#### KNOB FOR WOOD DOOR

Arinov door knocker Ref: 049







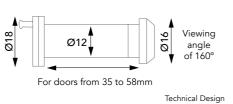
#### DOOR VIEWERS AND PEEPHOLES FOR WOOD DOOR

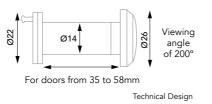
#### Arinov door viewers



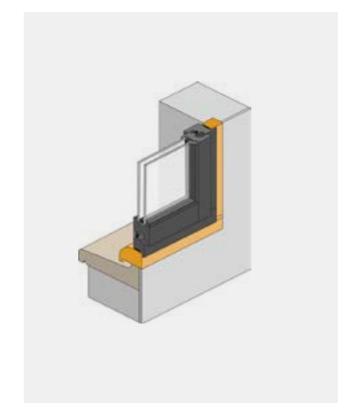


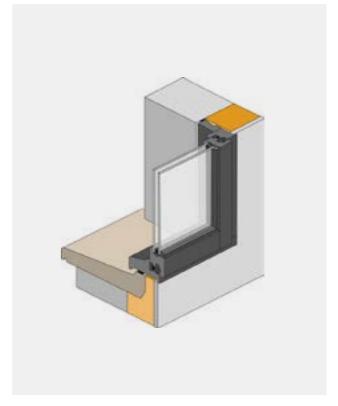






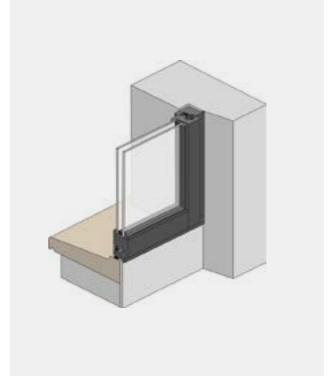
# TYPE OF INSTALLATION

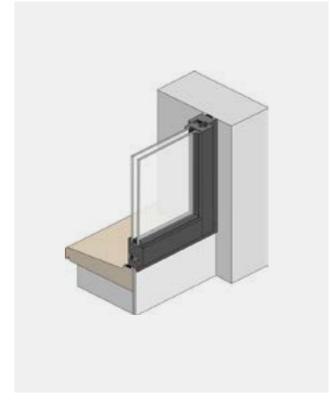












# MAINTENANCE OF WINDOW TIPS AND RECOMMENDATIONS



#### MAINTENANCE OF PROFILES

#### PVC

- Clean with soapy water;
- Rinse and dry cleaned areas (do not use abrasive products).

#### WOOD

• Clean with a soft, damp cloth and then wipe a dry cloth.

#### MAINTENANCE OF GLAZING

• The glass should be cleaned using a soft, non-abrasive cloth and with a glass cleaner.

#### MAINTENANCE OF HARDWARE

- $\bullet$  Lubricate all moving parts and closing points;
- Check for a good operation.

Frequency - 2 times/year.

ENVIRONMENT	CLEANING FREQUENCY
Rural areas	2 times/year
Urban areas	3 times/year
Coastal and industrial zones	4 times/year

#### MAINTENANCE KIT

#### Special cleaner

Effectice cleaning action.
Ideal preparation for Sikkens Protector.
Dries with no residue.
Effective on the surface.
Water-borne.
Removes ballpoint pen, ink, pencil and rubber marks from PVC and metal.

#### The sponge

To be used with the Protector on the window. Soak the sponge in water. Clean before use. Rinse well after use.



#### Maintenance protector for windows

Water-repellent and soil-resisting.
Extends maintenance periods.
Freshens colour intensity and sheen.
Environmentally sound.
Easy to use.
Application without sanding or masking with tape.

Quick drying.

No need to buff or polish after application.

#### MESTRE RAPOSA WARRANTY



Profile in PVC, Wood & Wood-Aluminium	10 years
Hardware	2 years
Glass	2 years
Roller Shutters/Shutters - Closing or Sliding	2 years

See the full version of the warranty of general conditions of sale.

The warranty period starts with the date of delivery and receipt of full payment of goods. Any manufacturing defect shall be communicated immediately after delivery.

- This warranty is for a period of 10 years for profiles and 2 years for hardware, glass and shutters. (Wooden and wood-aluminium windows, balcony doors, sliding doors, entrance doors, blinds and shutters).
- For directly provided products (PVC windows, PVC doors and blinds), any manufacturer's warranty will apply.
- For the warranty request to be considered, notification must be made in writing and must be made in a timely fashion.

The warranty will apply only if the following conditions have been met:

- The elements were fitted professionally and in accordance with the current state of technology.
- The elements must be subject to an annual professional maintenance.
- The protective film must be removed from the frame/wing not later than 3 months after delivery.

The warranty is nullified if:

- The incorrect storage of the product caused the malfunction.
- Caused by the normal use of the goods or negligence or lack of maintenance by the buyer.
- Bumps or scratches that occured after their installation and during any construction period.
- Any modifications made to the elements and not previously authorized by Mestre Raposa will result in the cancellation of the warranty.





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