saxun
by Giménez Ganga

Technical Manual

Sliding Glass Curtain Astron

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EN

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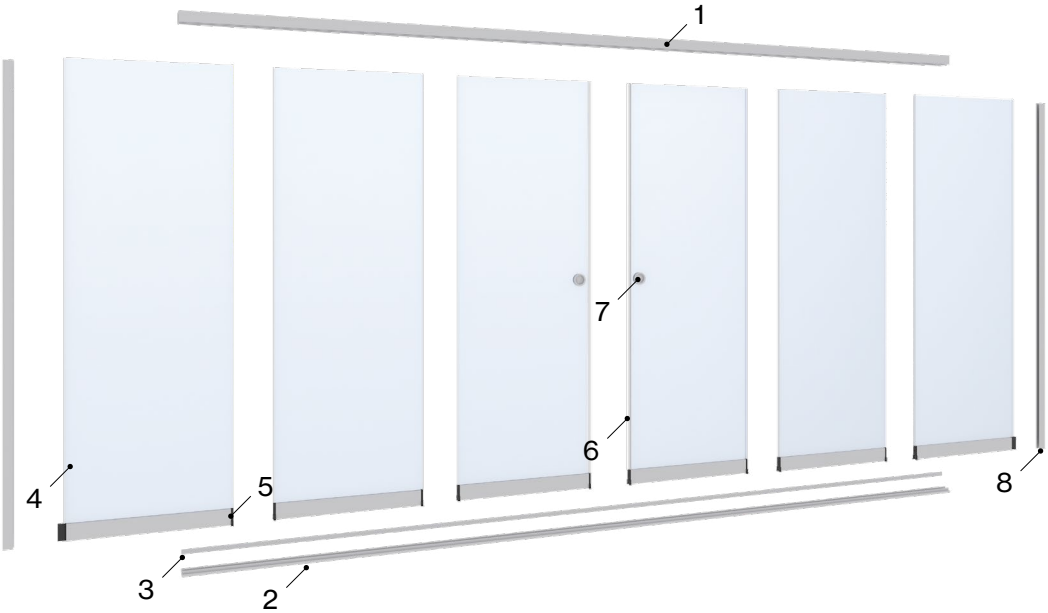
1. Product description

1.1 Exploded view of the Astron Glass Curtain



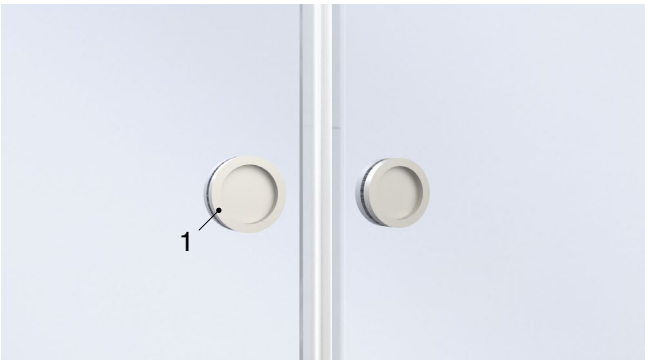
	Code	Description
1	*	Glass Curtain upper guide profile
2	*	Glass Curtain lower guide profile
3	070051	Glass curtain guide rail profile
4	070029	10 mm Clear-edged tempered glass

	Code	Description
5	070057	Glass curtain Glass holder profile
6	070026	PVC rubber with flange and stop end panels (Bubble)
7	070088	Threaded handle Astron sliding door
8	504031	UP-40/25 Guide

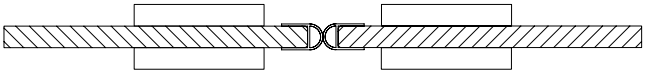
* The references vary depending on the selected configuration.

1.2 Handles and locks

Threaded handle

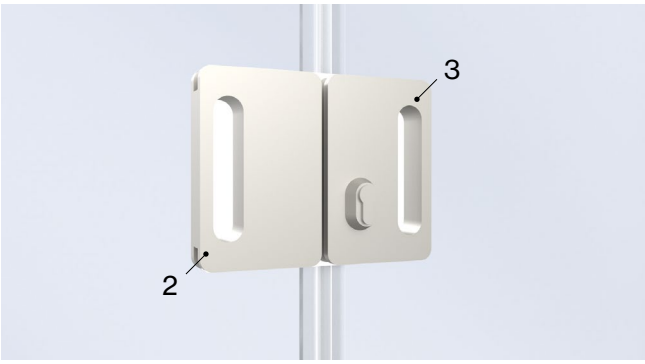


	Code	Description	Finish
1	070088	Threaded handle Astron sliding door	Stainless

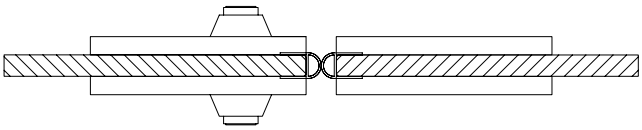


Sliding door handle section Central locking

Lock

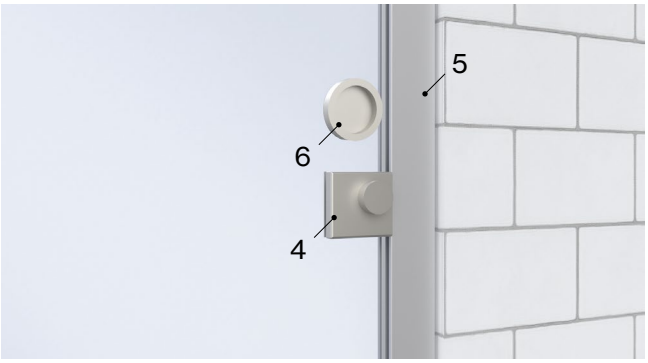


	Code	Description	Finish
2	070017	Astron Sliding Striker	Stainless steel
3	070018	Astron Sliding Lock	

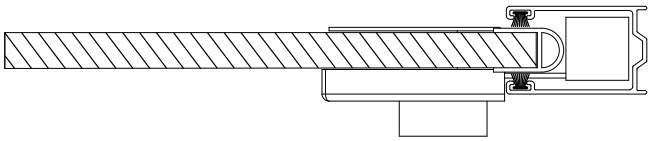


Sliding door lock section
Central locking

Side lock



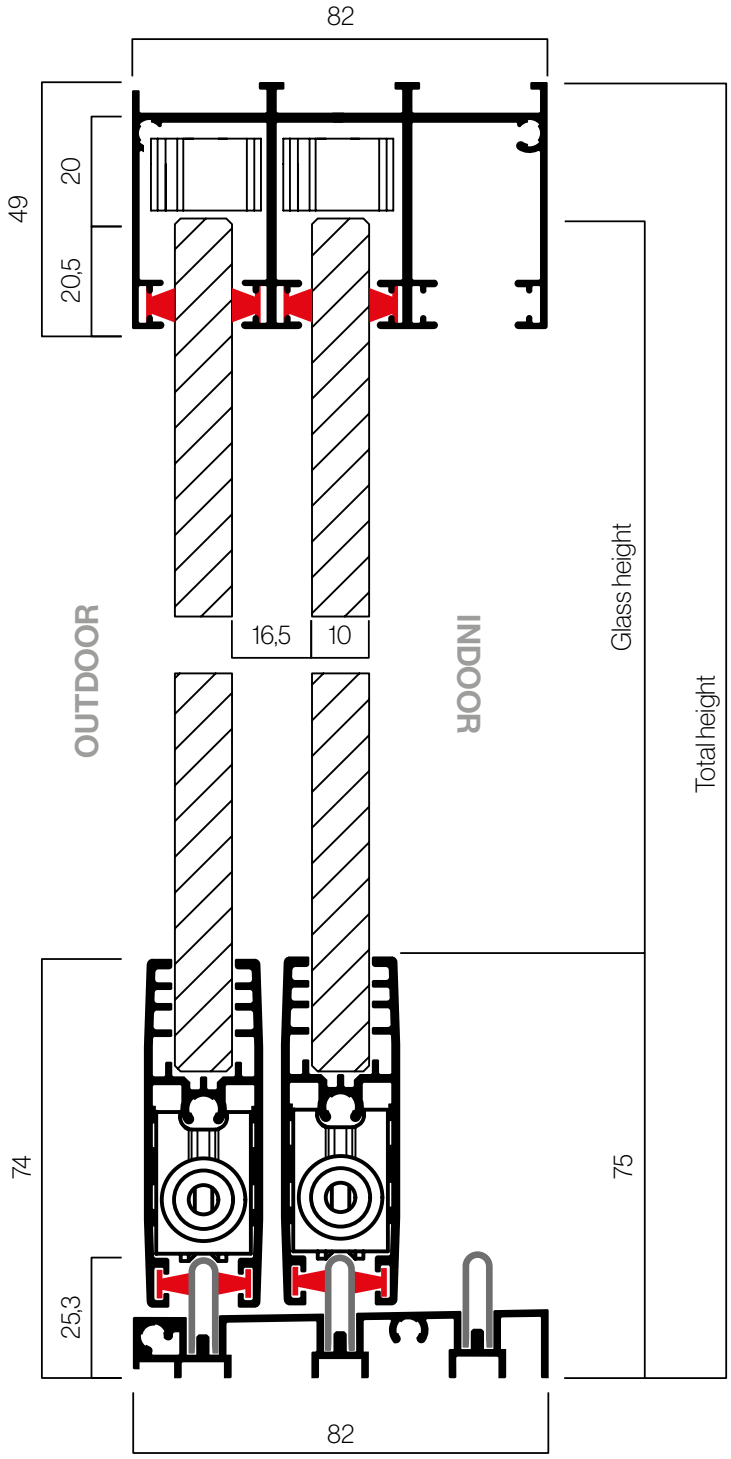
	Code	Description	Finish
4	070032	Ashton 20 Hook Lock Inner Right-hand View	Stainless steel
5	504031	UP-40/25 Guide	Aluminium
6	070088	Threaded handle Astron sliding door	Stainless steel



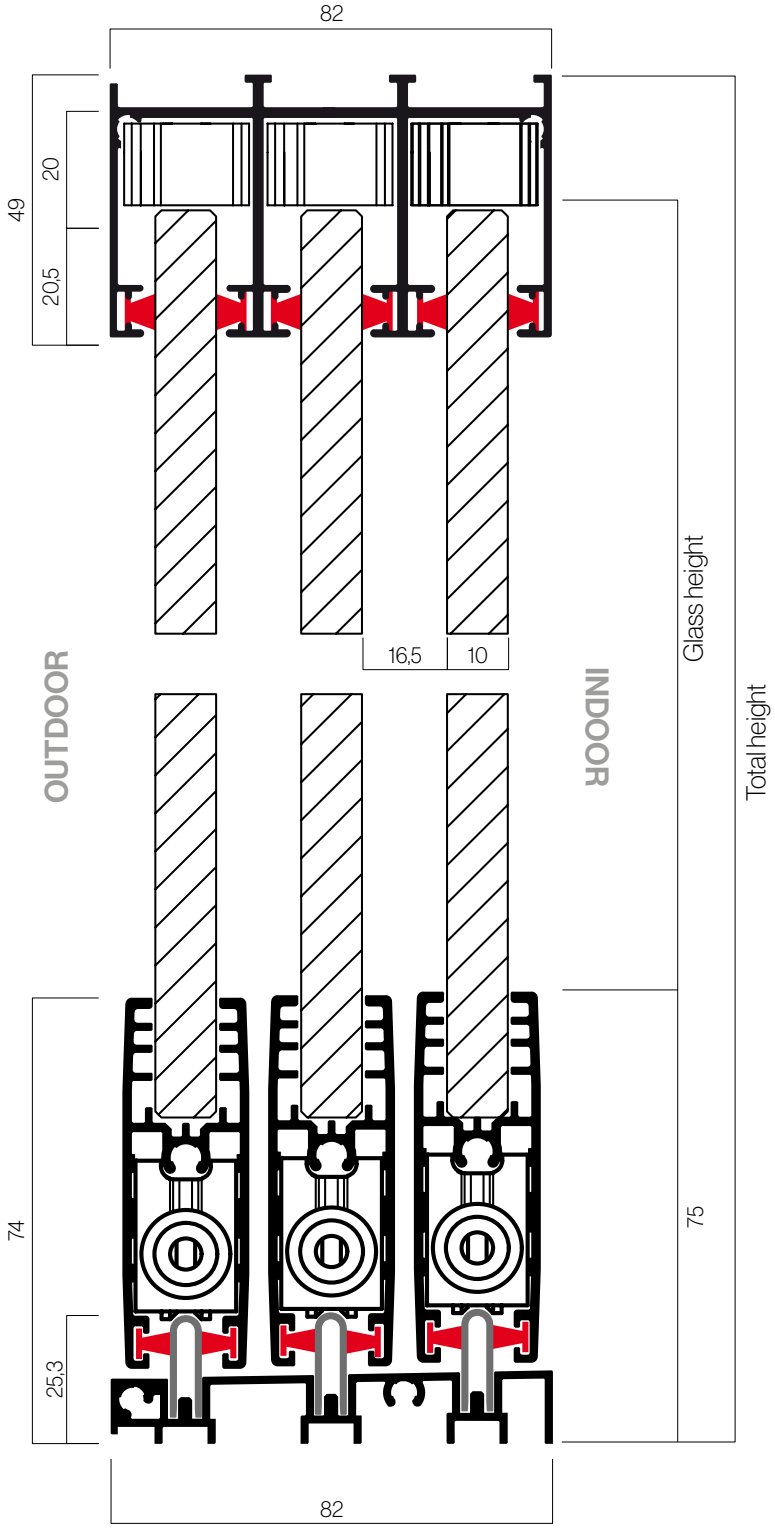
Sliding door lock section.
Side locking

1.3 Sections

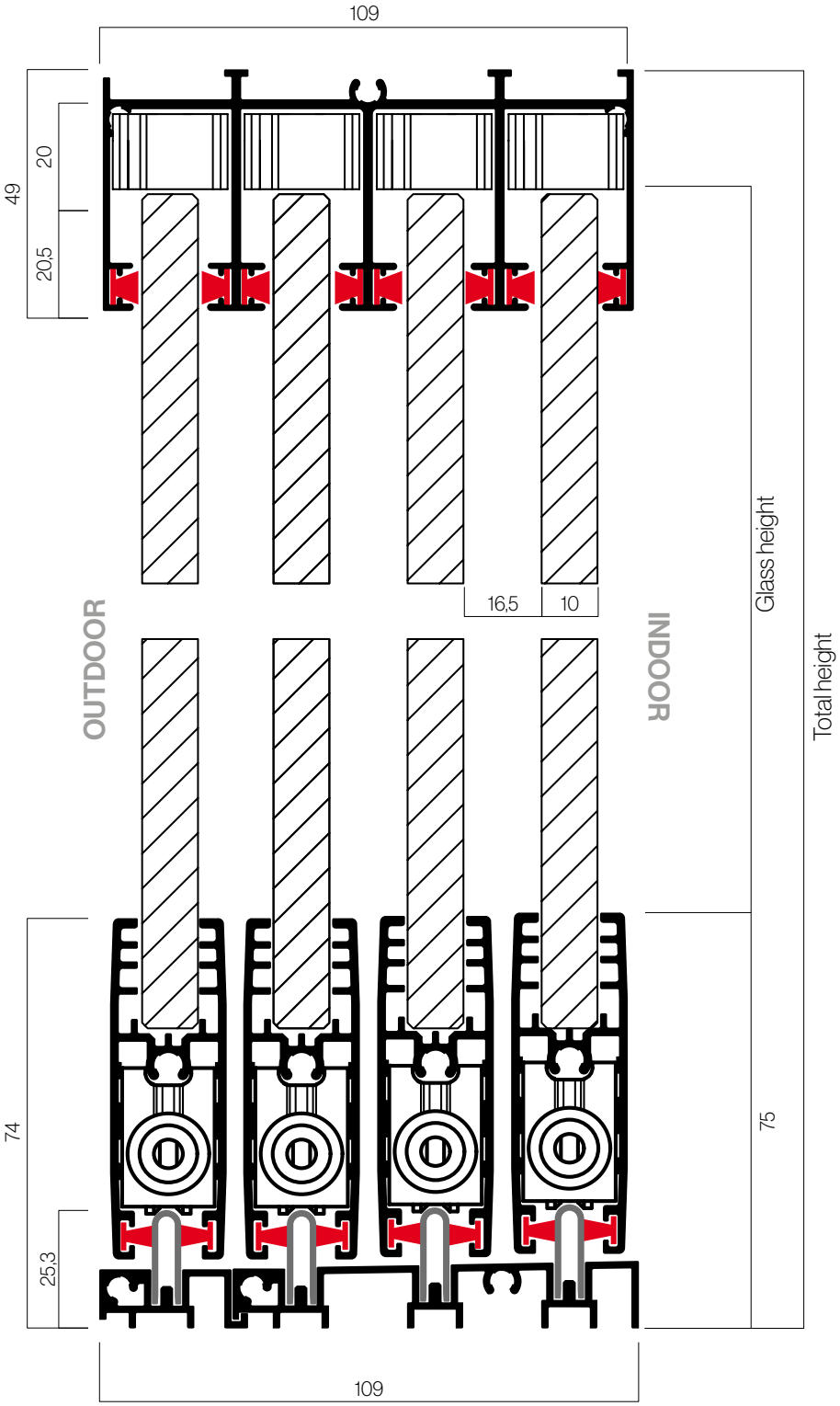
1.3.1 Section with 2 Leaves



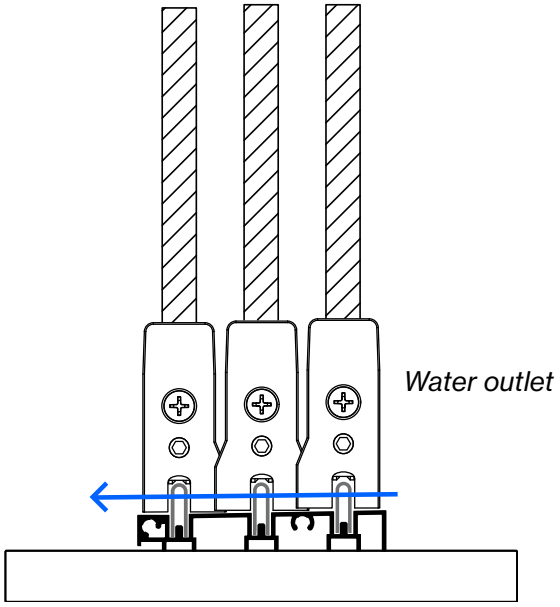
1.3.2 Section with 3 Leaves

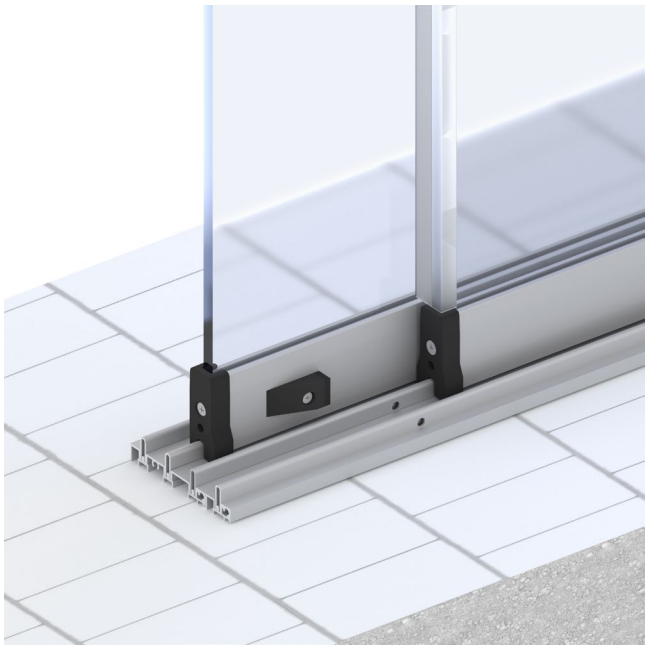


1.3.3 Section with 4 Leaves

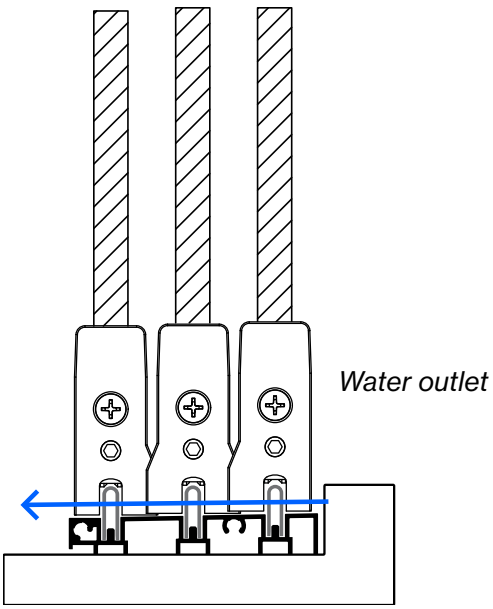


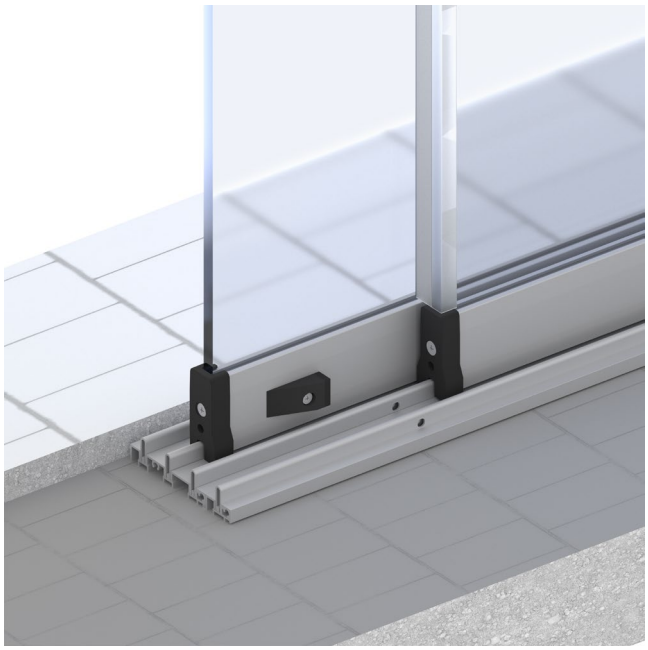
1.3.4 Lower frame drainage





1.3.5 Drainage of recessed lower frame





2. Manufacturing dimensions

2.1 Maximum dimension per leaf

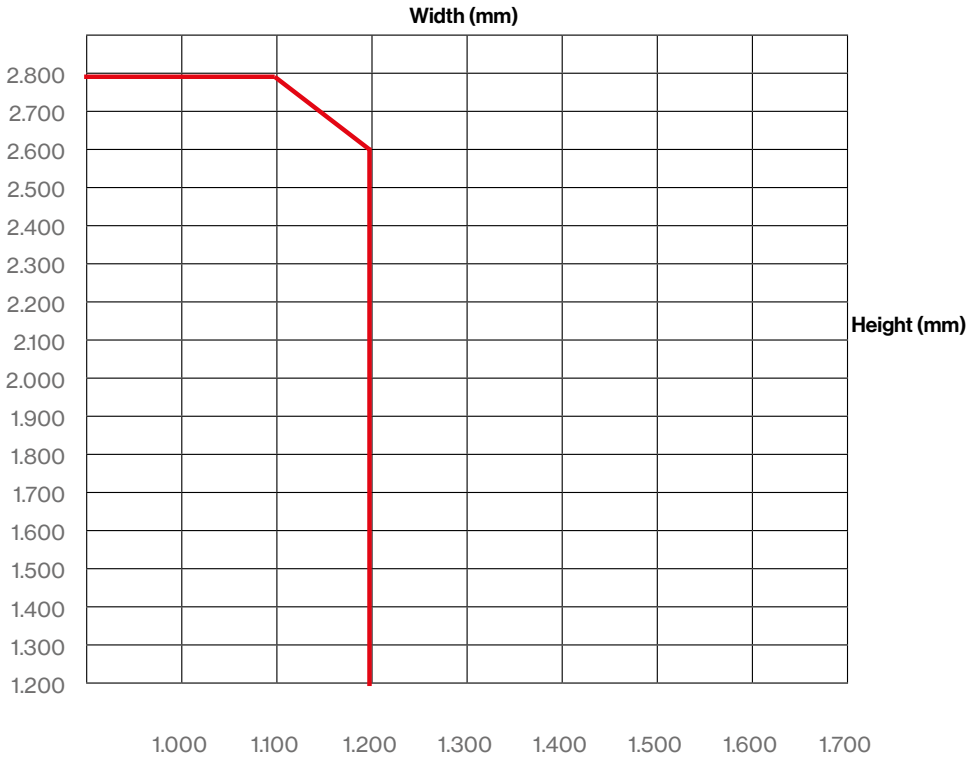
Maximum	(m)
Width	1,20
Height	2,80

Warning

Maximum weight of each panel: 90 Kg

The maximum dimensions of a leaf are calculated with the following graph

10 mm Glass weight: 25.3 Kg/m2

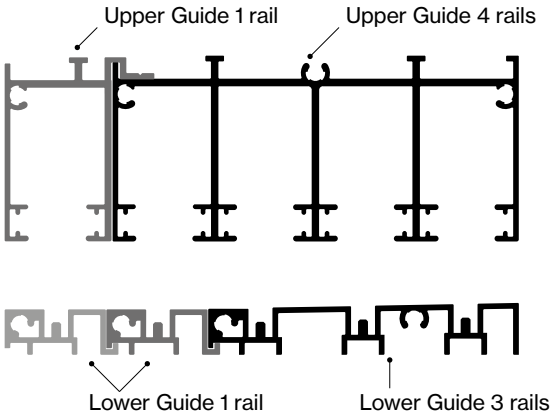


3. Versions

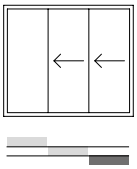
3.1 Modular rail configuration

Modular profiles to cover a wider range of configurations.

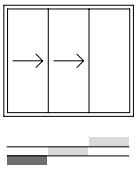
E.g. A configuration of 4 movable and 1 fixed panel, V. 402, makes use of 3 single-rail guides that allow the system to be adapted to the requirements of the customer



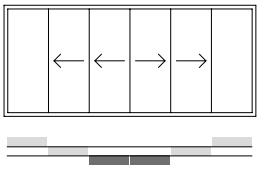
3 Leaves



Exterior
V. 301

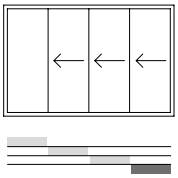


Exterior
V. 302

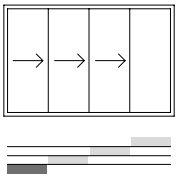


Exterior
V. 303

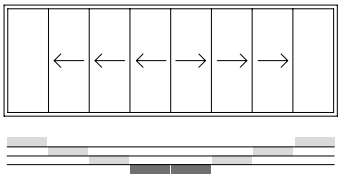
4 Leaves



Exterior
V. 401

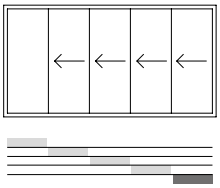


Exterior
V. 402

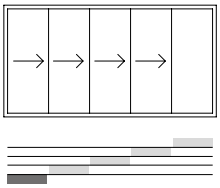


Exterior
V. 403

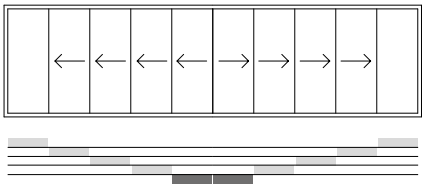
5 Leaves



Exterior
V. 501

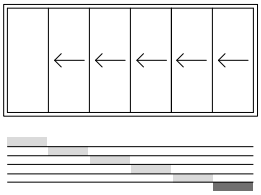


Exterior
V. 502

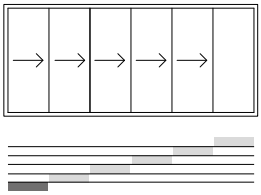


Exterior
V. 503

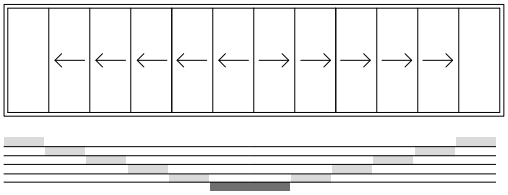
6 Leaves



Exterior
V. 601

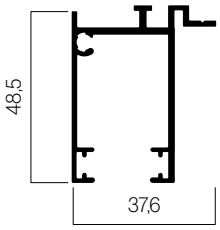


Exterior
V. 602

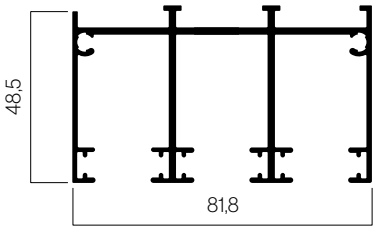


Exterior
V. 603

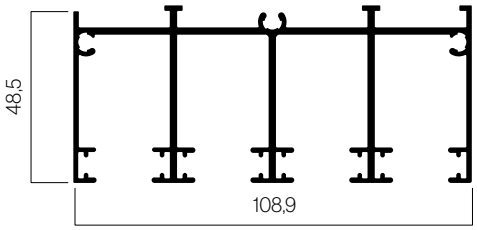
4. Exploded view



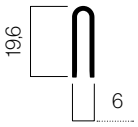
Glass Curtain Upper
Guide 1 rail
070054



Glass Curtain Upper
Guide 3 rails
070055

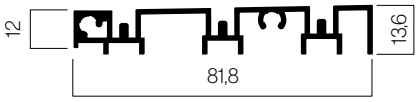


Glass Curtain Upper
Guide 4 rails
070056

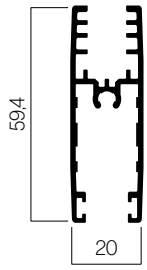


Glass Curtain
Guide rail
070051

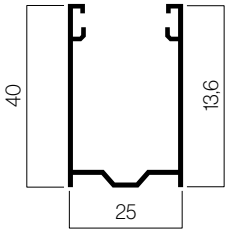
Glass Curtain
Lower Guide
070052



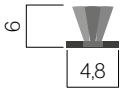
Glass Curtain Lower
Guide 3 railsl
070053



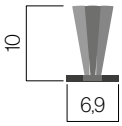
Glass Curtain glass
holder
070057



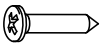
Guide UP-40/25
504031



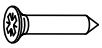
Brush 4,8 x 6
026209



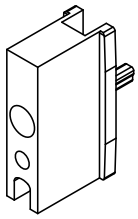
Brush Ref.: 69-1000
041068



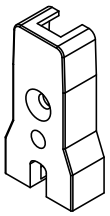
Screw 4,2 x 16
DIN RS Low head
027217



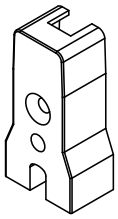
Screw 4,8 x 38
DIN 7982 Zinc-plated
024118



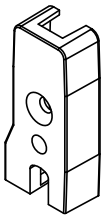
Set of plugs for
frame.
070072



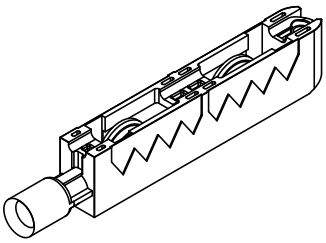
Set of Mov. Plugs -
Astron 4.0
070069



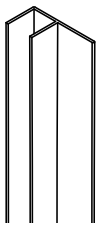
Set of Central Plugs -
Astron 4.0
070071



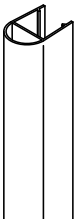
Set of plugs Start End
Interior-Exterior-Astron 4.0
070083



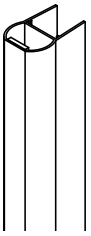
Glass Curtain Wheel
2022
070067



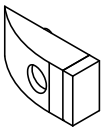
Hard PVC rubber with soft overlap for intermediate panels
070025



PVC rubber with flange and stopper end panels (bubble)
070026

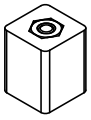


Magnetic rubber sealing ring
070073

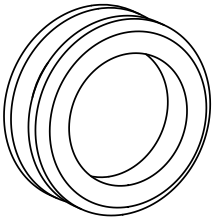


Set of Lower Lock Stop
070070

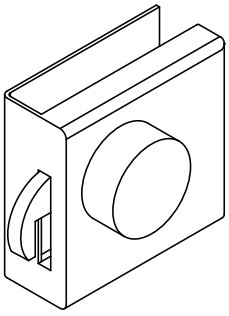
Safety Glass upper closure
070080



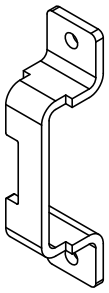
Upper Blocking Stopper Complete with Side leaves
070082



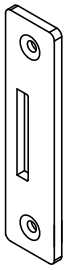
Threaded handle Astron sliding door
070088



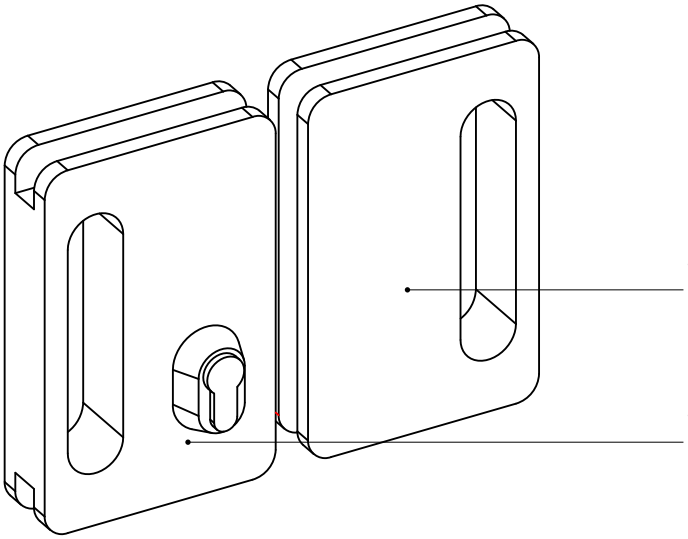
Ashton 20 Hook Lock Inner View
·Right 070032
·Left 070033



Side latch UP40-25 - Astron 20
070044



Striker Hook Astron 20
070034



5. Installation instructions

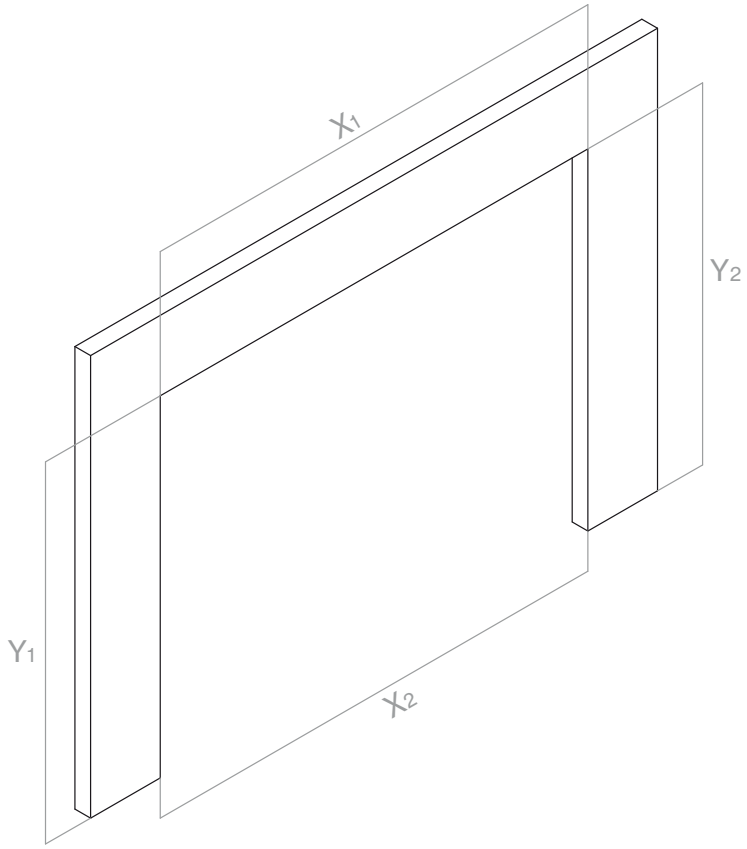
5.1 Verification of the dimensions of the opening in which the installation will take place

Check the overall dimensions of the opening before starting the installation.

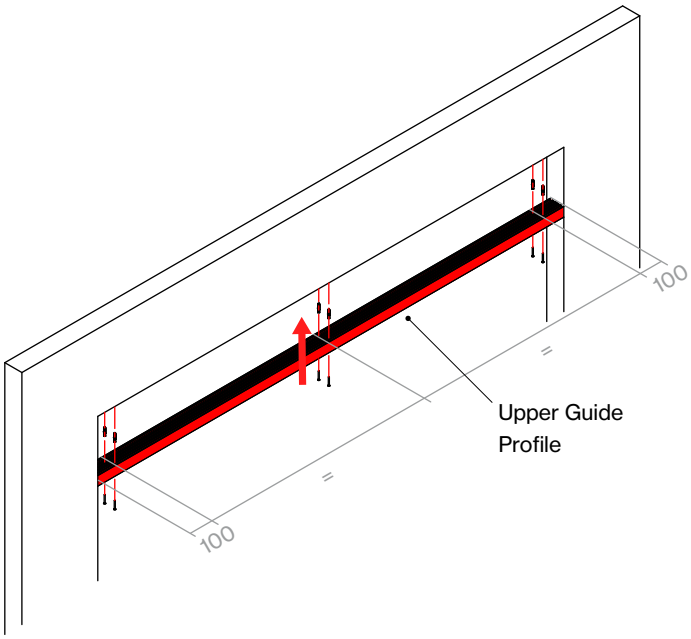
Check minimum height (vertical) from ceiling to floor and minimum width (horizontal) between walls.

X = Total width
(X = The shortest distance between X1 and X2)

Y = Total height
(Y = The shortest distance between Y1 and Y2)



5.2 Installation of upper frame profile



1. Mark and drill the holes in the frame profile, carrying out the indicated distribution of screws.

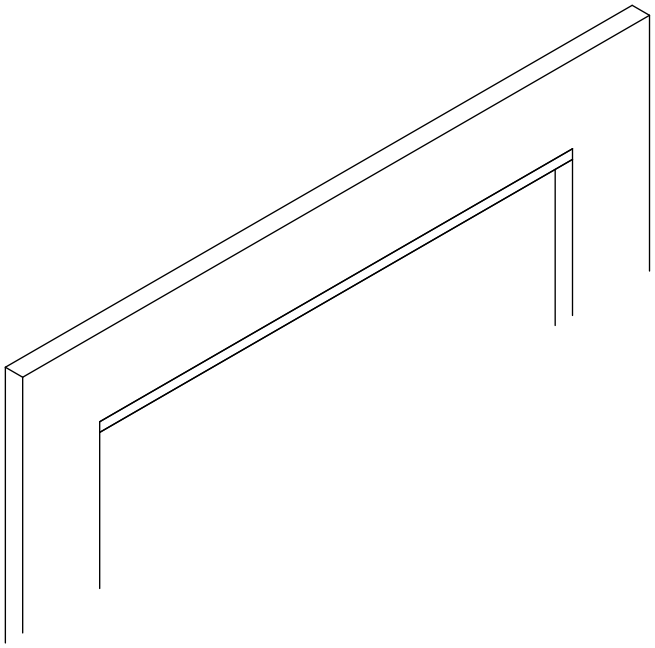
2. Position the frame profile in the hole where it will be installed and copy the position of the holes.

3. Drill the holes and insert the fasteners (take into account the type of wall when choosing the appropriate "screw-plug" combination, this choice is the responsibility of the installer).

4. Reposition the frame profile and screw it in place.

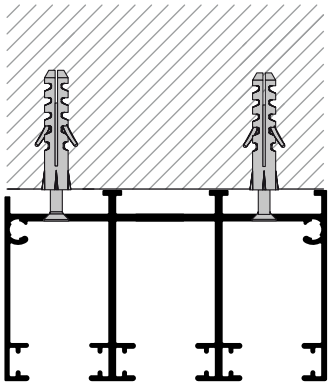
Warning

Nº of screws = 2 x Nº of leaves

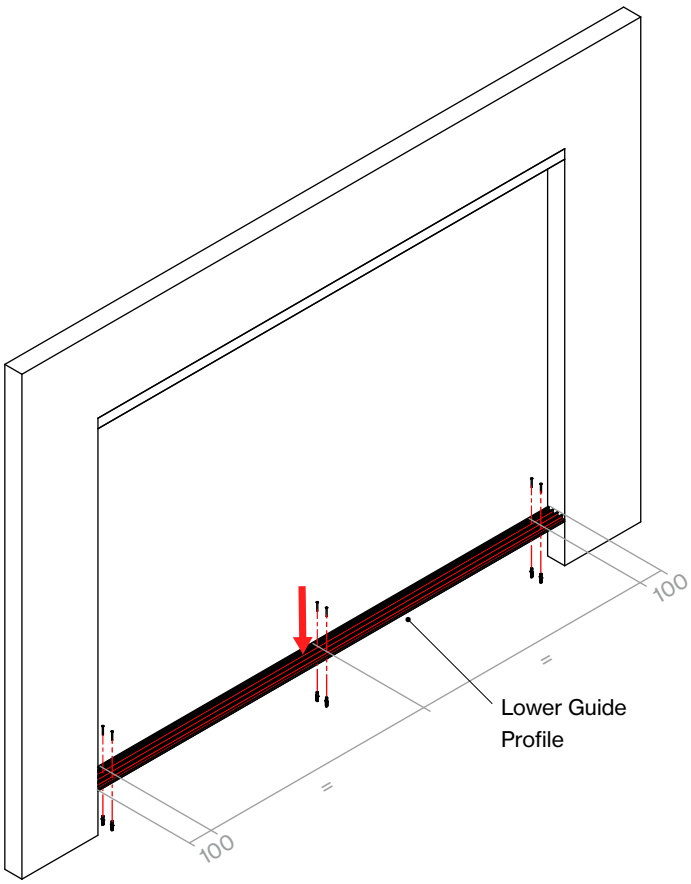


5. After fixing the frame profile, check the level. It is important that it is completely level. If necessary, use shims.

6. Use screws with countersunk heads to prevent the screw from protruding.



5.3. Installation rail profile bottom



1. Mark and drill the holes in the rail profile, carrying out the indicated distribution of screws.

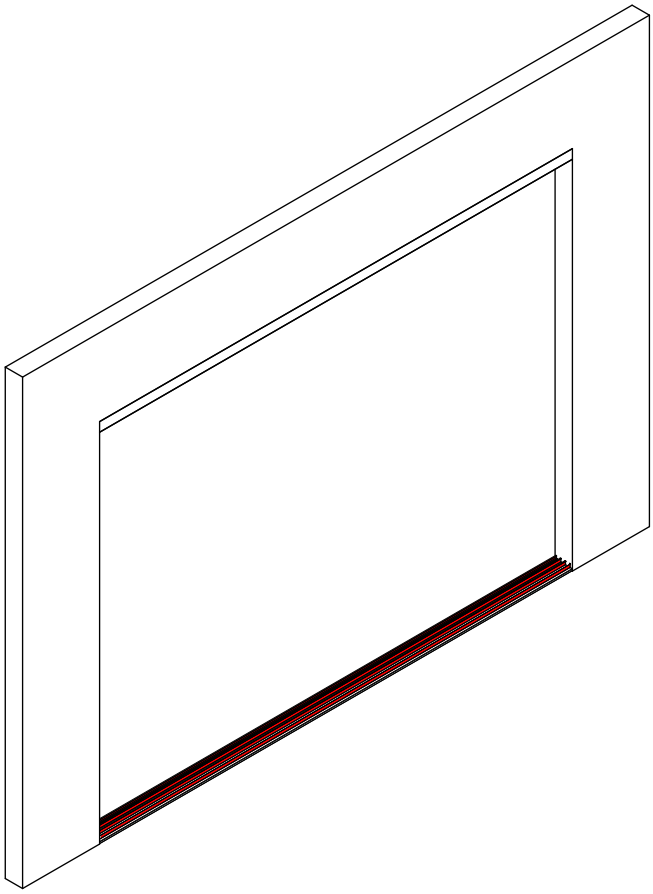
2. Position the rail profile on the floor of the opening where it will be installed and copy the position of the holes. Make sure that the rail profile is exactly vertically aligned with the frame profile. The rail profile has a position for water drainage, position it so that it drains to the outside.

3. Drill the holes and insert the fasteners (take into account the type of floor when choosing the appropriate "screw-plug" combination).

4. Reposition the frame profile and screw it in place.

Warning

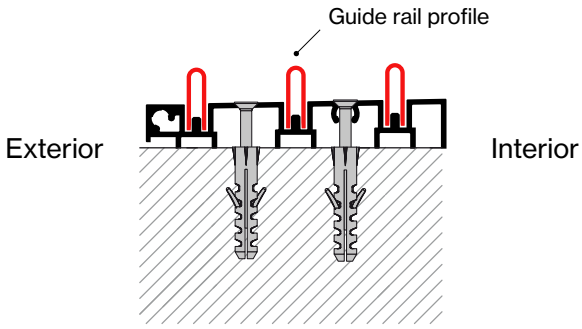
Nº of screws = 2 x Nº of leaves

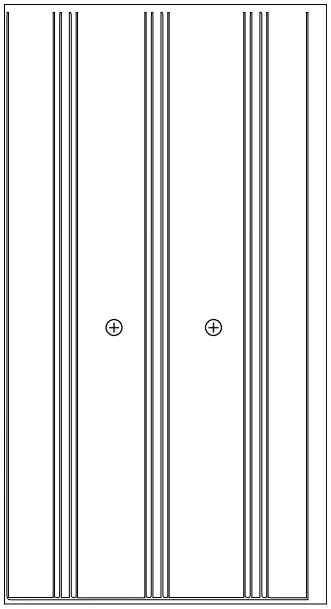


5. After fixing the rail profile, check the level. It is important that it is completely level.

6. Use screws with countersunk heads to prevent the screw from protruding.

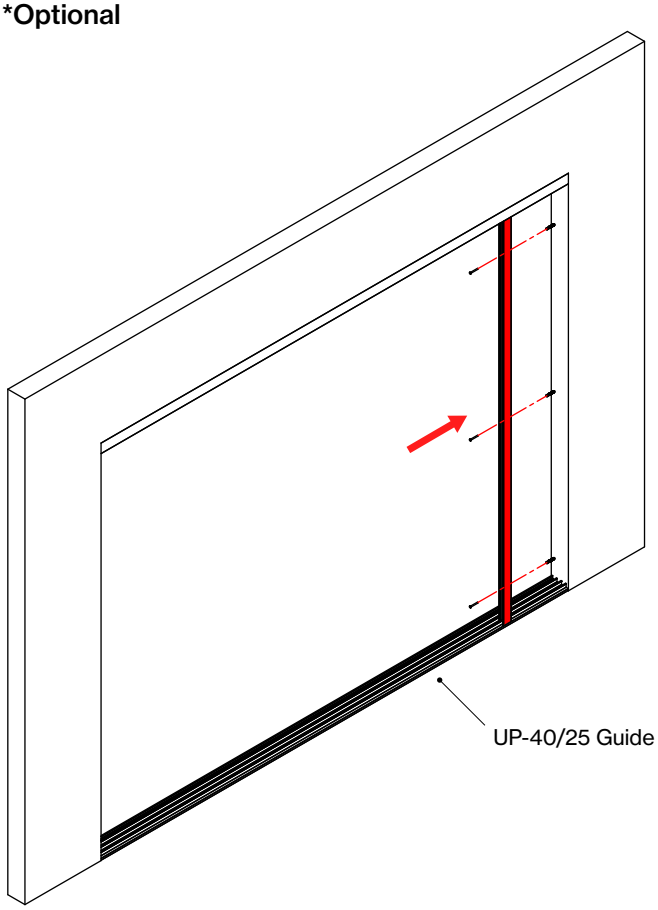
7. Insert the guide rail profile into the grooves provided for this purpose. Attach by applying silicone to the inside and pressing down on it.





5.4 Installation side frame profile (UP-40/25)

*Optional

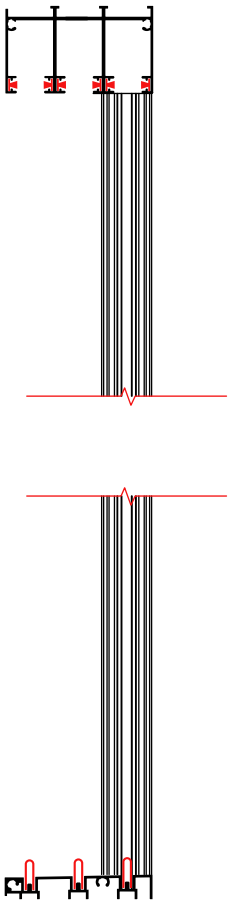


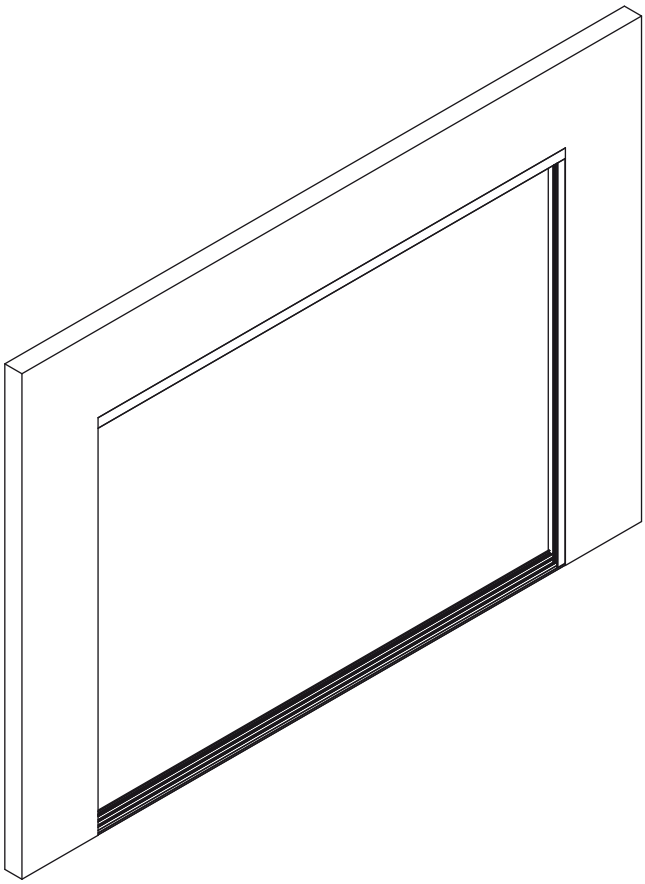
1. Mark and drill the holes in the side frame profile.

2. Position the side frame profile at each end of the enclosure, coinciding with the centre of the rail. Take into account the version of sliding door for positioning. Copy the holes in the wall.

3. Drill the holes and insert the fasteners (take into account the type of wall to choose the appropriate "screw-plug" combination).

4. Reposition the side frame profile and screw it in place.





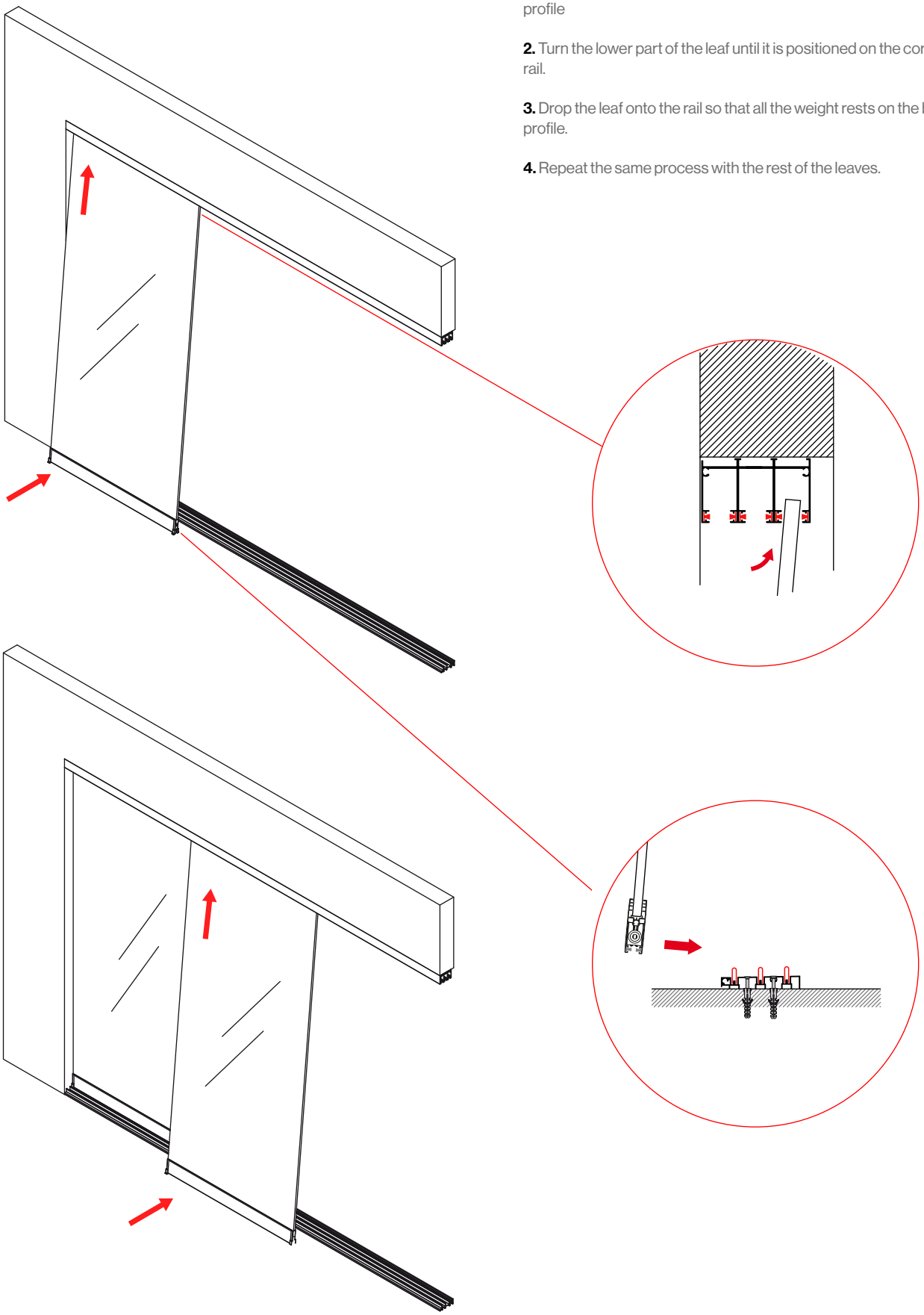
5.5 Installation of the leaves

1. Tilt the first leaf carefully and insert it into the upper frame profile

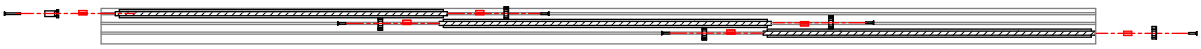
2. Turn the lower part of the leaf until it is positioned on the corresponding rail.

3. Drop the leaf onto the rail so that all the weight rests on the bottom rail profile.

4. Repeat the same process with the rest of the leaves.



5.6 Assembly and distribution of plugs - leaves

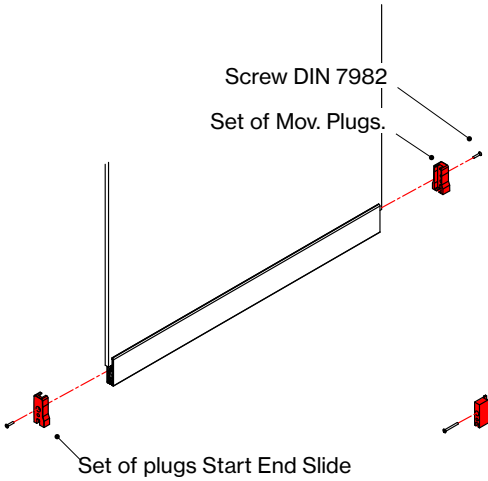


Warning

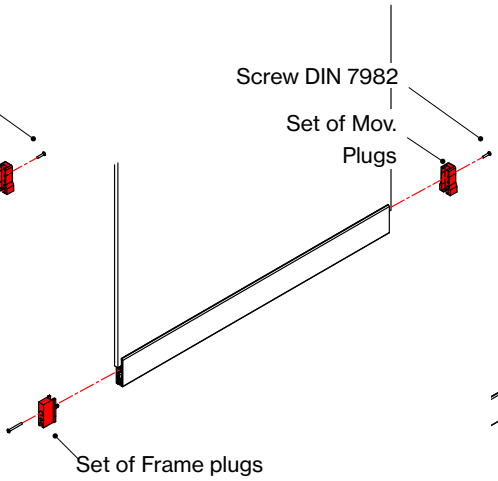
Note the position of the plugs and leaves before starting to fix them with the screws.

There are 2 mounting options for the leaves, depending on whether they have a side frame or not..

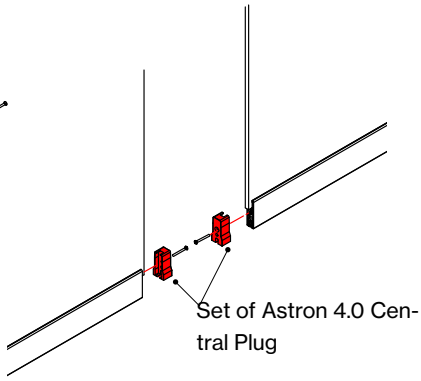
Leaf without side frame



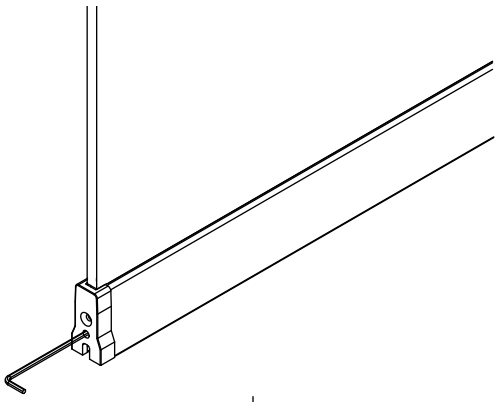
Leaf with side frame

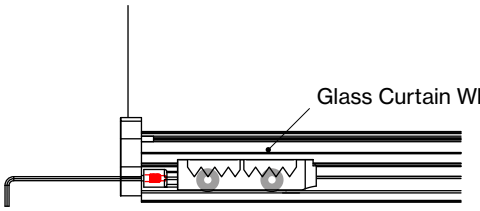


Centre leaves



5.7 Levelling the leaves





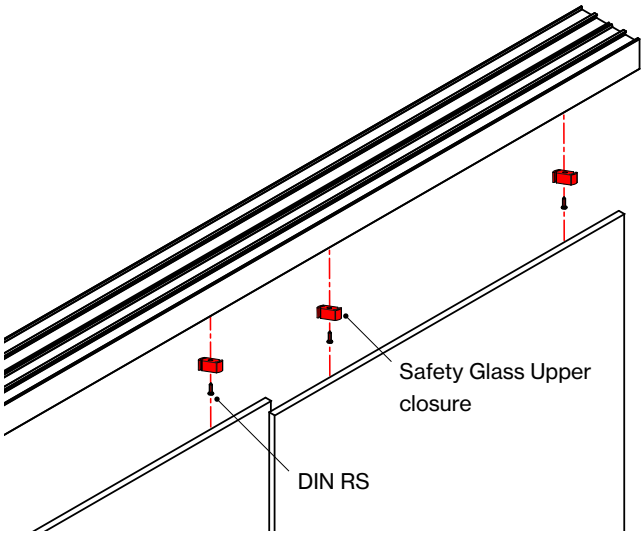
With the leaves installed, if there is a certain unevenness with respect to each other or to the wall. There is the option of adjusting the inclination

By means of the "grub screw" highlighted in red:

1. Insert a no. 3 Allen key through the free hole of the plug.

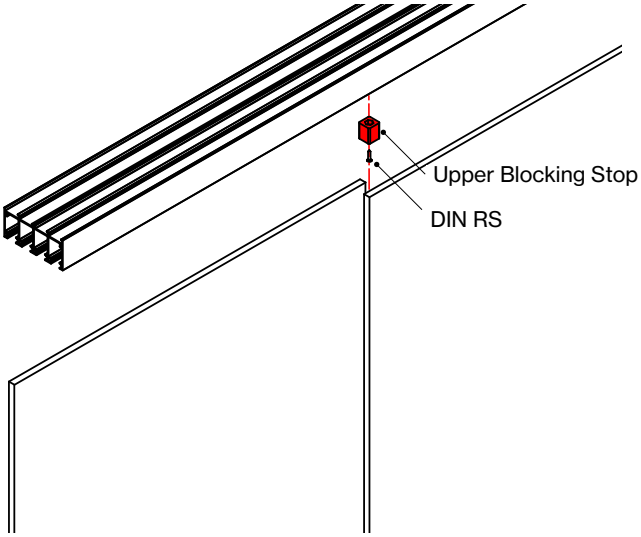
2. Turn in one of the 2 directions depending on the gradient.

5.8 Fixing the upper safety catch

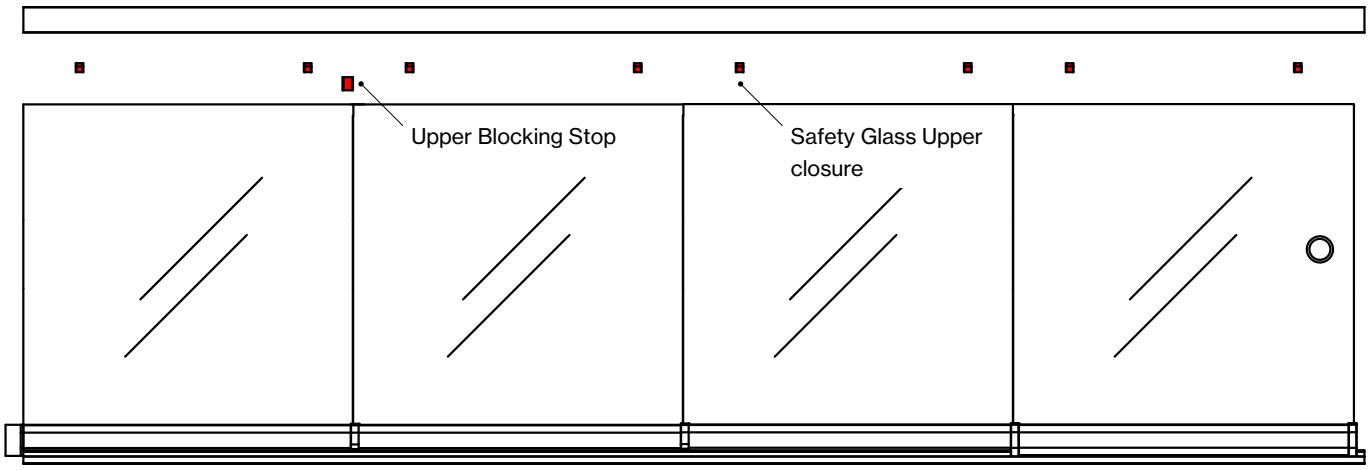


Insert the upper fasteners into the upper rail, turn the parts as far as they will go and fix them with the sheet metal screws. The distribution of the fasteners is 2 per leaf.

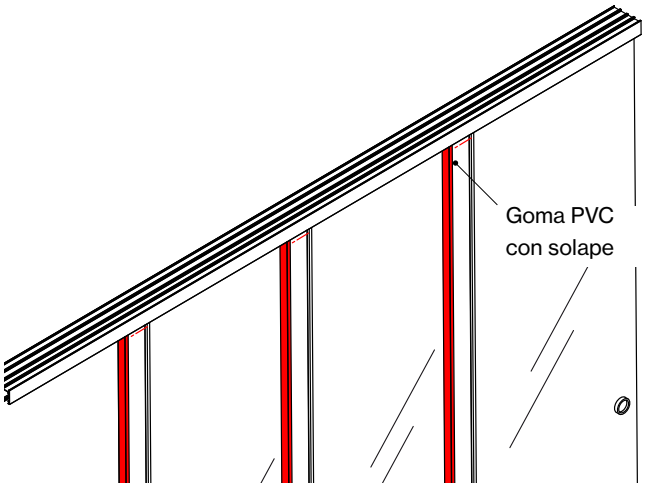
5.9 Fixing of the complete upper blocking stop for side leaves



Position and fix the locking stop on the last leaf to be locked. Fix this part with a sheet metal screw.



5.10 Laying of the PVC rubbers

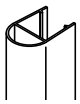


Once the upper locks have been installed. Press the rubber seals in until they are fully inserted.

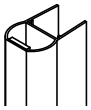
In the case of fastenings in the middle, make use of the "Magnetic fastening rubber"

Hard PVC rubber with white overlap for intermediate panels
070025

PVC rubber with flange and stopper for end and centre leaves (bubble)
070026



Magnetic rubber sealing ring for end and centre leaves
070073



Anexo I

Ensayos

metal technology centre murcia
window testing laboratory

Murcia Region Metal Technology Centre Business Association
Avda. del Descubrimiento, Parcela 15.
Polígono Industrial Oeste.- 30169 San Ginés Murcia (Spain)
Teléfono: 968 89 70 65 Fax: 968 89 06 12 ctmetal@ctmetal.es

Report number: LEV18013

TEST REPORT

TESTED MATERIAL

Type of sample: GLASS CURTAIN (WINDOW)

Manufacturer/Brand: INDUSTRIAS TEYCO, S.L. Model:

Model: **ASTRON 20 WITH 10 mm GLASS**

Applicant reference: --

Laboratory reference: LEV18013

Date of receipt of sample: 18/09/2018

TESTS	Standard	CLASSIFICATION	Standard
☒ Air permeability	UNE EN 1026:2017	**1**	UNE EN 12207:2017
☒ Watertightness	UNE EN 1027:2017	**1A**	UNE EN 12208:2000
☒ Wind resistance	UNE-EN 1932:2014	**6**	UNE-EN 13659:2016

Date of commencement of tests: 20/09/18
Date of completion of tests: 20/09/18
Date report issued: 21/09/18

Technical Director

The results in this report relate only to material received and tested in this laboratory on the dates indicated.
This report may not be reproduced in part without the express approval of the issuing laboratory.
The laboratory makes the calculation of uncertainties associated with the test available to the applicant.

10mm Glass Characteristics

UNION VIDRIERA LEVANTE S.L
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La Vall d´Uxo ,12600.
Castellón (España)
www. unionvidriera.com
castellón@unionvidriera.com

Tel. 964 652 834
Fax 964 652 831

ISO 9001
FS 572670

PR-1150/021

unión vidriera
grupo

DATE: 24 June 2019
ADDRESSEE:

TECHNICAL DATA SHEET

TYPE OF GLASS
TEMPLA.LITE 10mm

TECHNICAL DATA

Visible Light	
Light Transmission (%)	89,2
Light Reflectance (%)	./

Solar Energy	
Energy Transmission (%)	79,6
Energy Reflection (%)	7/9
Energy absorption (%)	12,9
Solar Factor (%)	82,7

Coefficient of Thermal Transmission	
U Coefficient (W/m2=-	9/98

Acoustic Attenuation	
Rw (C, Ctr)(Db)	33 (-2;-3)

Safe use	
Resistance to burglary (EN 356)	NDP
Pendulum body impact resistance (EN 12600)	1 (C) 1

NDP: Non-Declared Performance

NOTE: The values shown are for guidance only and do not provide any guarantee regarding the final product.

10mm Glass Characteristics Matt

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ISO 9001
FS 572670
PR-1150/021

DATE: 24 of June 2019
ADDRESSEE:

TECHNICAL DATA SHEET

TYPE OF GLASS
TEMPLA.LITE 10mm Matt

TECHNICAL DATA

Visible Light	
Light Transmission (%)	NDP
Light Reflectance (%)	NDP

Solar Energy	
Energy Transmission (%)	NDP
Energy Reflection (%)	NDP
Energy absorption (%)	NDP
Solar Factor (%)	NDP

Coefficient of Thermal Transmission	
U Coefficient (W/m² 8.	NDP

Acoustic Attenuation	
Rw (C, Ctr)(Db)	33 (-2;-3)

Safe use	
Resistance to burglary (EN 356)	NDP
Pendulum body impact resistance (EN 12600)	1 (C) 1

NDP: Non-Declared Performance

NOTE: The values shown are for guidance only and do not provide any guarantee regarding the final product.

Annex III **Disassembly and disposal of the packaging and components of the product at the end of its useful life**

Disposal of packaging

Important

The packaging must be recycled by the authorised professional who installed the product.

We advise you to recycle the product packaging responsibly:

• Please dispose of this waste in accordance with the current regulations:
-Directive 94/62/EC on packaging and packag- ing waste.
- Spanish Law 11/1997 of April 24th on pack- aging and packaging waste.

• Please sort the waste by separating each and every one of the various materials, to facilitate effective disposal of the packaging.

• Do not dispose of packaging materials together with other types of waste. Take them to a packaging materials collection point designated by the local authorities.

• In order to minimise the environmental impact of packaging and packaging waste, it is necessary to define the composition and nature of the packaging of our products to recommend their best disposal.

Paper and cardboard:
In waste management, the recycling of paper and cardboard plays an important role, because up to 70% can be reclaimed. The disposal of paper and cardboard can be do through various channels such as collection by private operators or delivery to waste treatment plants.

Plastic:
The recycling of plastics has many advantages for the environment and therefore benefits the quality of life of everyone, contributing to a greater saving of raw materials as well as natural, energy producing and economic resources. The disposal of plastic can be done by private operators or delivered to waste treatment plants.

Bubble wrap:
This is made of low density poly- ethylene, which makes it 100 % recyclable. For optimal disposal, please deliver any waste comprising this material to plastic waste treatment plants.

Our commitment to the environment

One of **Saxun's** objectives is to maintain socially responsible behaviour. This commitment to the environment implies continuous improvements in the measures that are adopted to combat climate change.

Promoting responsible care of the environment, complying with the legal and regulatory requirements applicable to our products and promoting energy saving in all our projects are measures that are essential for us to achieve our objectives.

Disassembly and removal of the product

When disassembling this product, a number of precautionary measures must be taken. Observe the following warnings and instructions. Please contact your supplier with any queries.

Disassembly may only be carried out by experienced fitters. This manual is not intended for DIY enthusiasts or installers in training.

For more information on these disassembly instructions, please refer to the chapters regarding installation in this manual that contain diagrams and detailed information.

Warning

Always act with care. Use appropriate tools which are in perfect condition.

- **Step 1**
Remove the PVC rubber profiles from the edge of the leaves.

- **Step 2**
Unscrew the bottom plugs of the leaves.

- **Step 3**
Remove the upper frame leaves and the bottom rail. One by one.

- **Step 4**
Remove wheels and brush.

- **Step 5**
Unscrew the side frame.

- **Step 6**
Unscrew the upper frame profile and remove the brushes.

- **Step 7**
Remove the U-profiles from the bottom rail.

- **Step 8**
Unscrew the bottom rail profile.

Warning

Ensure than you dispose of all pieces of the product taking into account the nature of its materials.

Components	**Galvanised steel**	**Stainless steel**	**Aluminium**	**WEEE**	**Technical Plastic**	**Glass**
Profiles			•			
Screws		•				
Plugs					•	
Leaf						•
End and intermediate profiles					•	

Our products are mainly made of recyclable materials. It is advisable to be informed about the recycling or disposal systems provided for in the current regulations in your country for this product category.

Important

- Always act with care. Please only use suitable tools that are in perfect condition.

- Ensure than you dispose of all pieces of the product taking into account the nature of its materials.s.

This symbol means that the product must not be disposed of together with household waste as it must be collected separately for recovery, reuse or recycling in accordance with local regulations.

In compliance with European Directive 2012/19/EU, waste electrical and electronic equipment (WEEE) can become a serious environmental problem if not managed properly. The Directive provides the general framework valid throughout the European Union for the disposal and re-use of waste electrical and electronic equipment.

At the end of the service life of the electrical or electronic equipment, it must not be thrown away together with other types of waste. They can be delivered to the specific centres regulated for this purpose by the local authorities.

The effective separation of waste will avoid negative consequences for the environment and health that could result from poor waste management or inadequate waste disposal.

Important

By complying with this directive, you will be acting in favour of the environment and will contribute to the conservation of natural resources and the protection of health.

Local regulations may impose signi cant penalties for illegal disposal of the product.

The materials that our products are made of offer a great variety of environmental advantages

Galvanised steel

Galvanised steel is a type of steel which undergoes a certain treatment, at the end of which it is coated with several layers of zinc which protect it, avoiding oxidation. The recycling of zinc helps reduce demand for new materials and as a result generates considerable energy savings, being a metal that constitutes a very valuable and sustainable resource.

For proper recycling of galvanised steel, it is advisable to visit a metal waste collection centre.

Stainless steel

Stainless steel is an iron alloy containing nickel and chromium to protect against corrosion and rust. Its qualities include resistance to high temperatures and being a particularly strong material. Stainless steel is an infinitely recyclable “green material”. Its properties make it ideal for exposure to poor weather conditions.

Therefore, to ensure proper disposal of stainless steel, it is recommended that this material be left at a specialised waste collection centre.

Aluminium

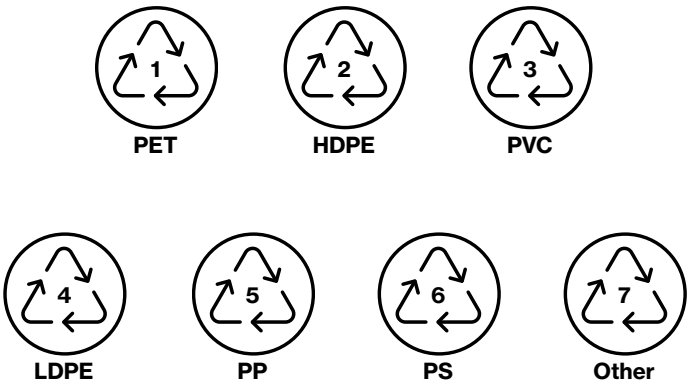
Aluminium recycling guarantees an endless variety of environmental benefits. The use of recycle aluminium saves 95% of the energy used in its production in its raw state, and it can be recycled as many times as desired and is fully recoverable. Therefore, the recycling of aluminium is both technically and economically pro table.

Therefore, to ensure proper disposal of aluminium, it is recommended that this material be left at a specialised waste collection centre..

Cables

The recycling of electrical cables prevents the contamination that can come from these elements. Its re- cycling allows for the subsequent use of the copper, aluminium and brass from the cables, once they are separated from their plastic insulation.

Electrical and electronic waste must be taken to clean points for proper recycling

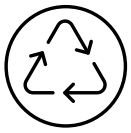


Plastic

Plastic recycling provides a sustainable source of raw material for the industry. Its reuse also significantly reduces environmental problems, as it is a non-biodegradable material.

Recycling reduces energy consumption and CO2 emissions, thus mitigating pollution and climate change.

There are several types of plastic, so to achieve optimal recycling it is essential to deposit them in clean points where the separation of the different types and their identification will take place.



Textiles

The use of textile waste is essential when we talk about recycling. Reuse of such waste helps to reduce the consumption of water and the gases that are released in the manufacturing process.

In order to encourage the proper disposal of textiles, it is recommended that they be left at a specialised waste centre where the different textile fibres will be separated.

Important

Follow the recommendations for effective product recycling. Remember that recycling is more than an action; it is the value of accepting responsibility

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