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## FRAMELESS GLAZING SYSTEMS

### ALLGLASS TODOCRISTAL



*Frameless, movable, retractable glass panels provide flexible solutions for better use of space and comfortable quality of life.*

Allglass Comfort Systems (Allglass Todocrystal®) manufactures and commercializes an innovative frameless glazing systems tailor – made for each client

Using high quality materials, specially designed and produced by/for Allglass Todocrystal®, we offer solutions for a better use of space and energy efficiency.

Allglass Comfort Systems specializes in meeting each client needs, allowing to enjoy the views, the natural sunlight and the landscape, avoiding inclement weather, noise, dirt or any other annoyance from the outside without the unsightly aluminum vertical profiles.

## ALLGLASS TODOCRISTAL® SOLUTIONS

*Innovative frameless glazing systems for a better and wise use of space, ALLGLASS TODOCRISTAL®*

*(panoramic glass enclosures, glass curtains, allglass, frameless glazing...)*



*Protection from the Elements  
Block Wind, Rain and Noise  
Open Partially or Completely to Enjoy Sun and Air  
Never Blocks Your View  
Turn Outdoor Space into Protected Indoor Space  
Open Indoor Space to the Outside  
Operates around Angles and Curves  
Safe, Lockable  
Adds Value to Your Home  
Easy to Clean  
100% recyclable materials  
Design and elegance for your home and/or business*



### What else:

***Make your business more profitable  
Simply Quality Lifestyle  
Innovation for your home or business***



***Allglass Todocrystal solutions can be customized to any color, shape and size***

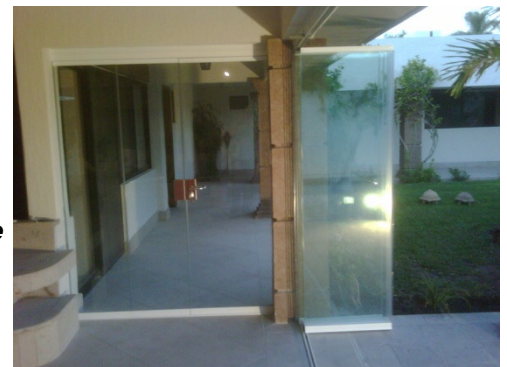
***Better use of space and energy Efficiency  
Enjoy the views and of the natural sunlight***



***Gain space saving energy and money***



***Avoid inclement weather, noise, dirt or any annoyance from the outside***



***Sliding door: a door and a panel at the time***



***Reliable high quality technology***

## GENERAL CHARACTERISTICS

As it is been said, one of the main advantages of using Allglass Todocrystal ® is that, as it is produced with glass without vertical frames, it never blocks the view and it can barely be seen, as if there was nothing closing your terrace, patio, etc. which makes Allglass Todocrystal a stylish, modern and very easy to use and clean solution for your home and/or business.

Allglass Todocrystal ® can be use in small or big projects, for interior or exterior enclosing, and it can be adapted to any format, shape needed. Allglass Todocrystal® is a tailor-made solution. Recommended maximum height is 3 mts. It can come in any RAL, ANODIZED or Wood-like color.

### Allglass Todocrystal® is all advantages:

- Allglass Todocrystal® is tailor-made for each necessity and client.
- No more wind, rain, noise, dust or any other annoyance from the outside and increase the use of outdoor space throughout the year.
- Enjoy your patio, balcony, terrace, etc. all year round
- Choose whatever tempered glass you want. Our system allows tinted, solar protection, screen-printing and colors.
- Easy installation. No reforms needed.
- It opens up completely; the glass simply stacks back to one side or the other. It can also open in the middle or at of the sides.
- Very easy to use and clean. Outdoor sides can be cleaned from the inside.
- Beautiful appearance, increasing the value of your property and making it more secure.
- Your view is never interrupted.
- The most aesthetically attractive enclosure of the market. It does not alter façades.
- Bottom rail weight based system. No bearings. Minimum to none maintenance.
- 10mm (3/8") high quality toughened safety glass.
- Fast delivery and installation.
- Five year guarantee.
- Save money by saving energy. Allglass Todocrystal® is an energy efficiency solution.

Allglass solutions comply with all international, EU and national regulations and standards. All components are CE sealed



**BASIC TECHNICAL DETAILS:**

Allglass solutions are manufactured with high quality selected material. Allglass solutions are strong, long lasting and secure, complying with all international, EU and national regulations and standards. All components are CE sealed

**Bottom weight system**

**Recommended Maximum height of panels: 3mts**

**Recommended width: 60 – 70 cms**

**10mm tempered glass manufactured to DIN 1249. Laminated is also possible**

**Glass can go in any color, tinted and/painted, with solar protection, low E, etc.**

**Structural Aluminum profiles manufactured to EU Standard 6063 –t5 (up to 4 mm)**

**Stainless Steel components**

**Long lasting sliding truck bars**

**Other components**



**MAIN USES:**

Allglass Todocrystal® is the best solution for homes and businesses. Gain more space using our frameless glazing system in your terrace, patio, porch, penthouses, villa, restaurant, café, hotel, business, office, etc. Enclose and/or divide any area with Allglass Todocrystal®.

Enjoy your favorite place at home all year round, keep it open during the summer, guard against annoying or unexpected rains or winds, during spring and autumn, by leaving your Allglass Todocrystal® system semi-opened, and avoid the winter by keeping it close, increasing the temperature of your home saving energy and money.

Allglass Todocrystal® is ideal, for example:

**INTERIOR APPLICATIONS:**

Conference rooms

Office enclosures

Room dividers

...

**EXTERIOR APPLICATIONS:**

Balcony enclosures

Terrace enclosures

Patio enclosures

Deck enclosures

Spa enclosures

Pool enclosures

Breezeways

Sundecks

Pergolas

Solariums

Porches

Conservatories

Glasshouses...



**HOME - OFFICE  
COMMERCIAL - RESIDENTIAL  
RESTAURANTS - HOTELS  
STOREFRONTS**

*The possibilities are endless...*



### TECHNICAL DETAILS:

- Bottom weight system which makes it the best solution for every situation as it can be used with any roof type (even plasterboard or removable)
- No bearings or roller bearings. Our system slides on a surface that does not alter with time.
- 10 mm (3/8") thick high quality tempered/toughened safety glass heat treated.
- Noise reduction up to 14 dB.
- Double blocking mechanism for the opening.
- Special glass and aluminum assembly
- High resistant components. No maintenance needed.
- Top guide and top profiles protected by a soft brush. Bottom guide and profiles by a special solution.
- One or more panels can open for ventilation and/or pass through.
- Guides/tracks can be 100% sunken
- Hard plastic UVstrips between panels
- Soft plastic strips on the sides to adjust to any wall termination.
- Easy leveling solution for fastest and easiest installations.



Easy to operate

Easy to clean

Low to none maintenance

Fast delivery and installation

Can retrofit into your existing opening

Open to any side or both

**Sliding door (optional):**

***"Unique system with a door that can be placed anywhere and folds as any other panel".***

## STRENGTH TESTS

### Structural integrity tests:

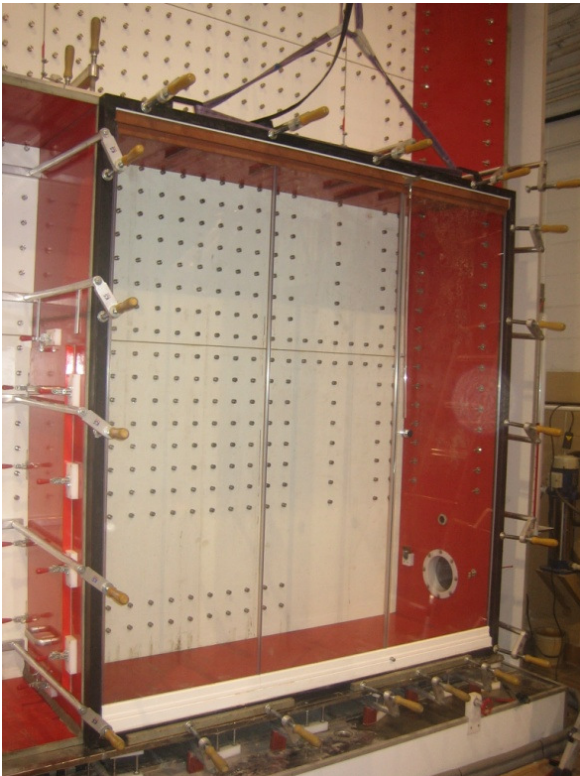
Calculation of resistance to wind pressure

Summary: In a laboratory, a section of 3 panels of 10 mm tempered glass (2175 mm wide and 2040 mm high) was tested. In the first experiment, the deviation in various wind conditions was measured. The result was a deviation on the glass of 5 mm at 60 km / h and of 9.5 mm at 120 km / h applying high pressure.

Summary: We conducted two tests. In the first one, one panel 650 mm wide and 1960 mm high was submitted to static wind. The high pressure was increased on segments of 50 km / h until reaching 120 km / h. The structure withstood the pressure perfectly. In the second test, underwent a set of 3 sheets of 10 mm, whose width was 2175 mm and a height of 2040 mm was wind to push both dynamic and static. In the static load, the high pressure was rising in segments of 25 km / h until reaching 120 km / h. The structure withstood the load perfectly. The dynamic load caused a bilateral oscillation of the glass whose maximum value was achieved at a speed of 120 km / h (9,5 mm). The structure withstood the load perfectly.

### Water resistance:

The water resistance tests yielded excellent results and a performance superior to similar systems on the market. Faced with heavy and/or wind-driven/lashing rain, our bottom track inner collector is capable of gathering any tiny leak that could occur, resulting in a virtually complete watertight seal system.



### Components Aging Test:

The components of our system Allglass Todocrystal® underwent fast aging process by sudden temperature increase, UV + IR and rainfall simulation. The result of the aging process was calculated in relation to the performance, weight, measures and appearance of the pieces. After 1000 hours at high temperature, there was no discoloration, and the changes in size and weight were between 0.1% and 0.4%. The UV + IR test and simulation of rain did not cause operational disturbances. The alteration was less than 1%.

**TO CONSIDER:**

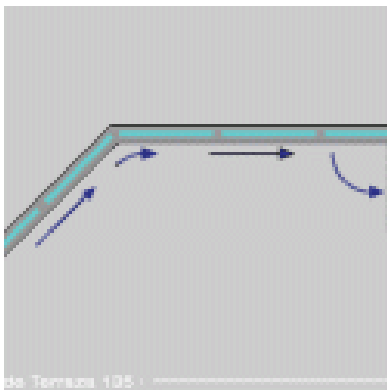
- Recommended maximum width of each Todocristal panel is 80 cms with 10 mm tempered glass.
- Recommended maximum height, from floor to ceiling: 3 m.
- Recommended minimum panel width 50 cms.

**ALLGLASS TODOCRISTAL FOR EVERY PROJECT**

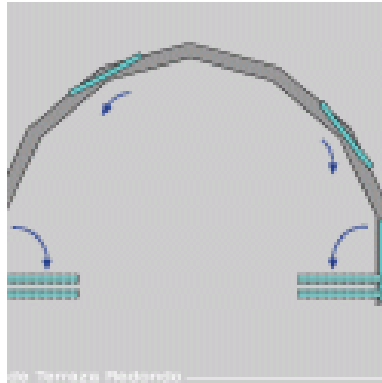
Closed, our system let you enjoy of your favorite place without worrying about the dust, wind, rain, noise and/or any other annoyance from the exterior. Nevertheless, Todocristal is not 100% waterproof although it could be or close to it if it is installed, sealed and prepared properly.

Protect your space from wind, rain, noise, dirt and other outside annoyances. At the same time, your view is NEVER interrupted! Open fully or partially to turn your inside space to outdoor at any time. Allglass Todocristal is very easily installed. It does not need costly reforms and it can be adapted to many forms, shapes..., as for example:

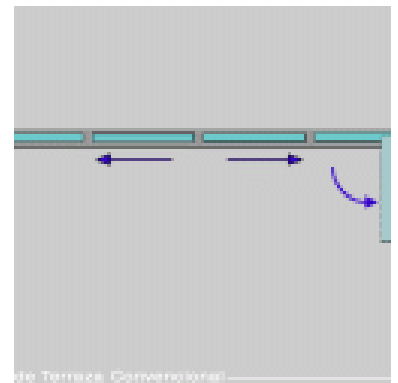
**Angles: no problem!**



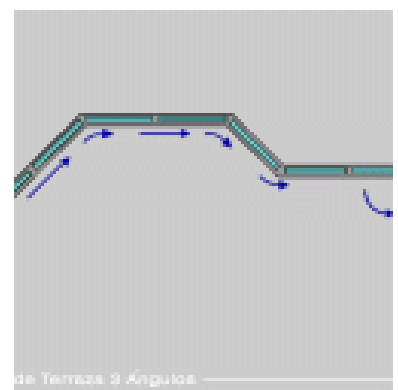
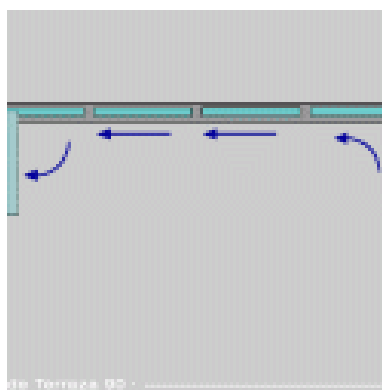
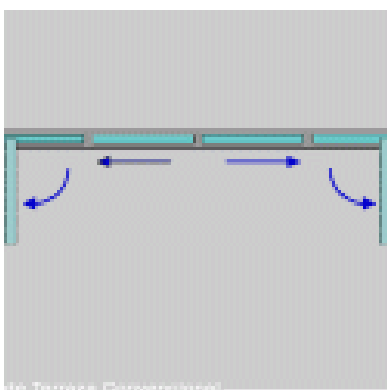
**Curves: no problem!**



**Corners: no problem!**

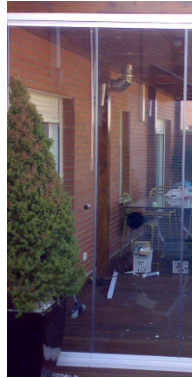


**Open to any side or both!**



**LOCKING POSSIBILITIES:**

**Standard: easy opening handle, inferior lock and rod.**



**Stainless steel lock with handles and key.**



**Security lock for children.**



**Side locks**



**SYSTEM OUTLOOK:**



