



TECHNICAL FOLDER

GLASS CURTAIN
BASIC PRO SERIES



acristalia

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GLASS CURTAIN
BASIC PRO SERIES



1 INTRODUCTION. BASIC PRO SERIES

At home or in your business, having vision of life is knowing how to make full use of the space to make the most of it. This is just what Glass Curtains in Basic Pro Series have to offer: great views, feeling of space and the best comfort to enjoy every moment.

It is the most versatile glass curtains on the market. The Basic Pro Series Glass Curtains mean functionality and efficiency and this is why it is the favourite one of the professionals of the sector. It offers panoramic views, great natural light, energy savings and it brings a significant added value to the terrace thanks to its modern design.

Its main advantage is that it has many configurations possible since it can adapt easily to any type of area. The Basic Pro glass curtains can be installed in squared areas, curved areas and other irregular areas.

The configurations are almost unlimited. You can add closings at different heights, with different angles, measurements, glass, aluminium finishes.

UNION BETWEEN DESIGN AND FUNCTIONALITY

The Basic Pro Series has been the result of investigating and finding the enclosure system that best gathers design and functionality in one product. In addition, it is a practical and safe system. The design, development and manufacturing of our products are ruled by high quality standards and a strong commitment to the requirements of our customers. Moreover, all the Acristalia products are designed, manufactured and distributed by the brand in from Spain. this is one of the main reasons why Acristalia is the company with the best response time of the market.

The Acristalia frameless glass systems are certified according to the European standards. They are safe and efficient.



2 TESTS

This part relates to the certificates of quality obtained by Acristalia for the fabrication of this product with the different materials used and the tests realized. Also, the document details the glass classification and the standards met by Acristalia.

In addition, Acristalia has a certificate of adhesive for the glass curtains, since we use it in the profiles of the glass panels.

This is to mention only the product, but Acristalia has also been working on choosing the best materials for its systems and the best processes for glass and aluminium and to make sure they meet the highest quality standards. We have gathered for you the details of the tests our Basic Pro Glass Curtains have passed.

ACRISTALIA. QUALITY BRAND

Acristalia manufactures all its products under strict quality controls that are regularized and specified under the quality management system according to the standard UNE-EN ISO 9001:2015 and guarantees that all the materials used in the manufacture of its products are of first quality complying with the following regulations: Aluminium with CE marking according to the new European Construction

Products Regulation (EU) 305/2011 and the harmonized standard UNE-EN 15088:2006: Aluminium products and aluminium alloys for structural applications. In addition, it complies with quality standards for surface treatment of profiles (Qualicoat, Qualand and Qualideco).



CLASSIFICATION OF TEMPERED GLASS

All our glass has CE marking according to the standard UNE-EN 12150-1:2016 obtaining the maximum qualification 1C1 according to Norm UNE-EN 12600:2003.

Nº Exp. 1214463 - 1445

TEST OF AIR PERMEABILITY AND RESISTENCE TO WIND LOAD ACCORDING TO UNE-EN 12211:2000 AND UNE-EN 1026:2000.

Glass curtain enclosure of two panels, one of them also sliding of total dimensions 2000 x 1235 (height x width), with glass thickness of 8 mm.

Test result:
Resistance to wind load
Class C3
Class C = lower arrow I/300
Class 3 = hit security 1800 Pa
Air Permeability
Class 1

Nº Exp. 124166 - 363

ACRISTALIA ADHESIVE CERTIFICATE ACCORDING TO ETAG 002

The results obtained have been excellent both at ambient temperature and in extreme conditions of -20 ° C and + 80 ° C, reaching up to almost five times its power of adhesion to the maximum value required for Acristalia glass curtains.

Test Result:
Glass-adhesive-U-profile
Pattern trays (23 ° C/50% RH)
Average value: 1.62 kn
Conditioned trays (24h at -20 °)
Average value: 1.22 kn
Conditioned trays (24h at + 80 °)
Average value: 1.22 kn

Nº Exp. 12 - 4178 -v 3260

3 INSTALLATION POSSIBILITIES

The versatility of the Basic Pro Series glass curtains is shown in its installation possibilities. They present a high degree of adaptability to any type of structure. It can be used in any project no matter what the shape is: L-shaped structure, circular or other polygonal figures. The system also has a compensation profile

The panels slide individually along the guides towards the end chosen for its opening, and the panels will pivot and be stacked on the interior or the

exterior. The panels stick together thanks to some magnets inserted inside the panel profiles.



For an ideal solution for angle step installations **consult your sales representative.**

4 TECHNICAL FEATURES

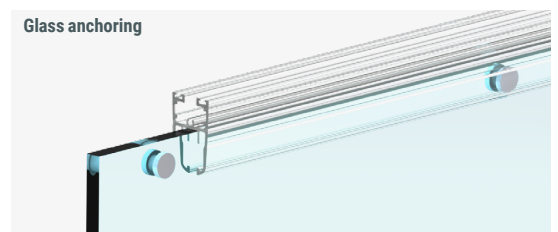
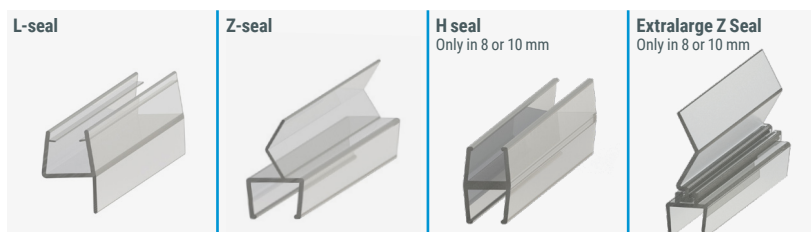
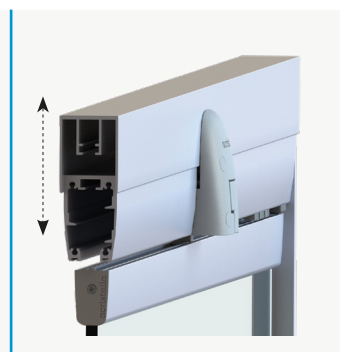
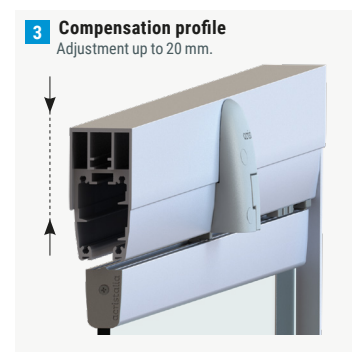
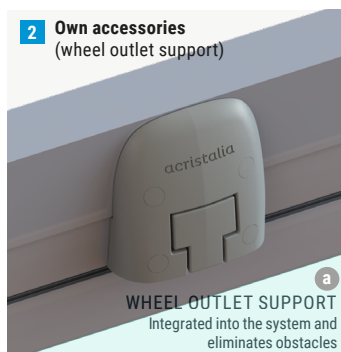
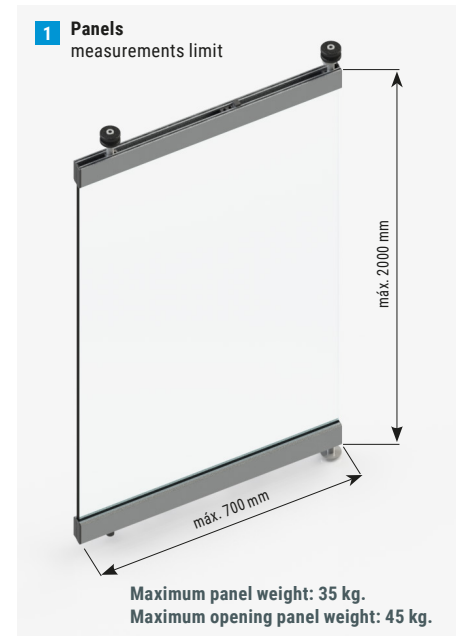
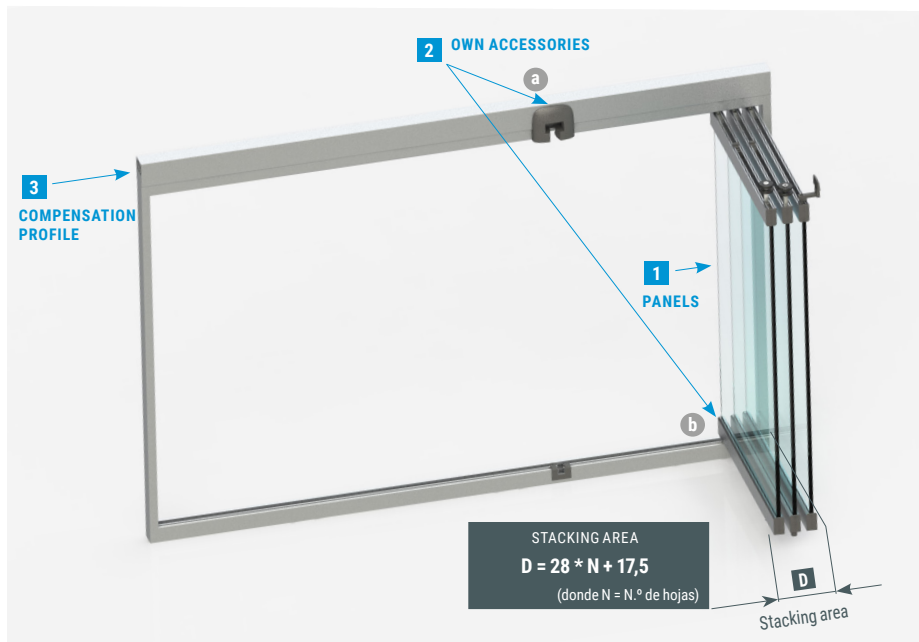
This part details the different technical characteristics of this product. Regarding the different possibilities of product measures, the Basic Pro Series Glass curtains can reach 2 metres high and 70 centimetres wide. As for the glass used, it can be included tempered or laminated glass, solar control or any other composition that will equal 6, 8 or 10 mm thickness. As shown on the chart on the right, the glass thickness/height ratio of the panels is directly proportional. It means that the greater is the height, the thicker will be the glass.

The first drawing below establishes the formula to find out the space that will fill the stacking area. The maximal measures are also detailed as well as other technical special features of this enclosure system. ²

In the image ² we can see the wheel outlet support, which is totally integrated into the system and eliminates obstacles. In addition, it has tongue and groove ending caps that improves the sealing of the enclosure.



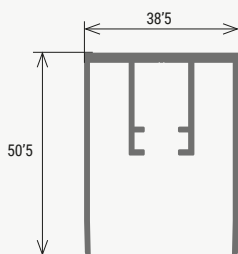
Last but not least, the Basic Pro Series includes the possibility to use an extra profile to compensate up to 25 mm.



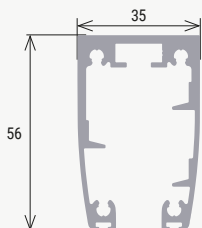
5 PROFILES SECTION

Version: octubre 2021
 Denomination: Sections Glass
 Curtain - Basic Pro Series

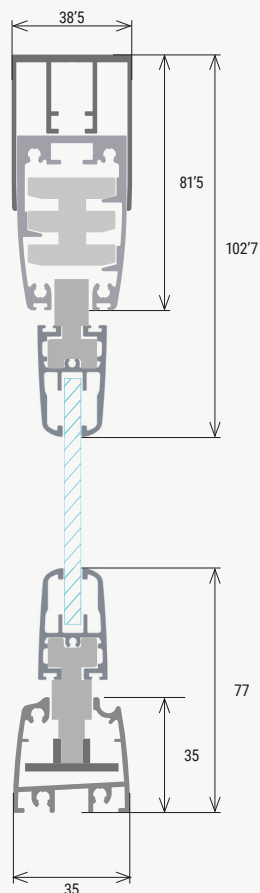
Compensation
 profile



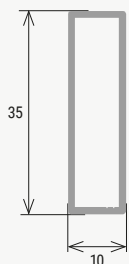
top guide
 profile



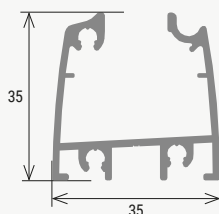
Vertical cross
 top-mounted guide



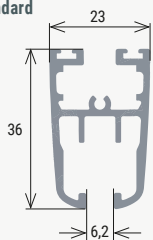
Sideframe



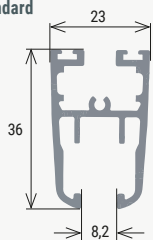
vertical cross
 top-mounted guide



Profile for panel
 6 mm Standard



Profile for panel
 8 mm Standard



Profile for panel
 10 mm Standard

