



TECHNICAL FOLDER

SLIDING CURTAIN
TANDEM SERIES



acristalia

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SLIDING CURTAIN
TANDEM SERIES

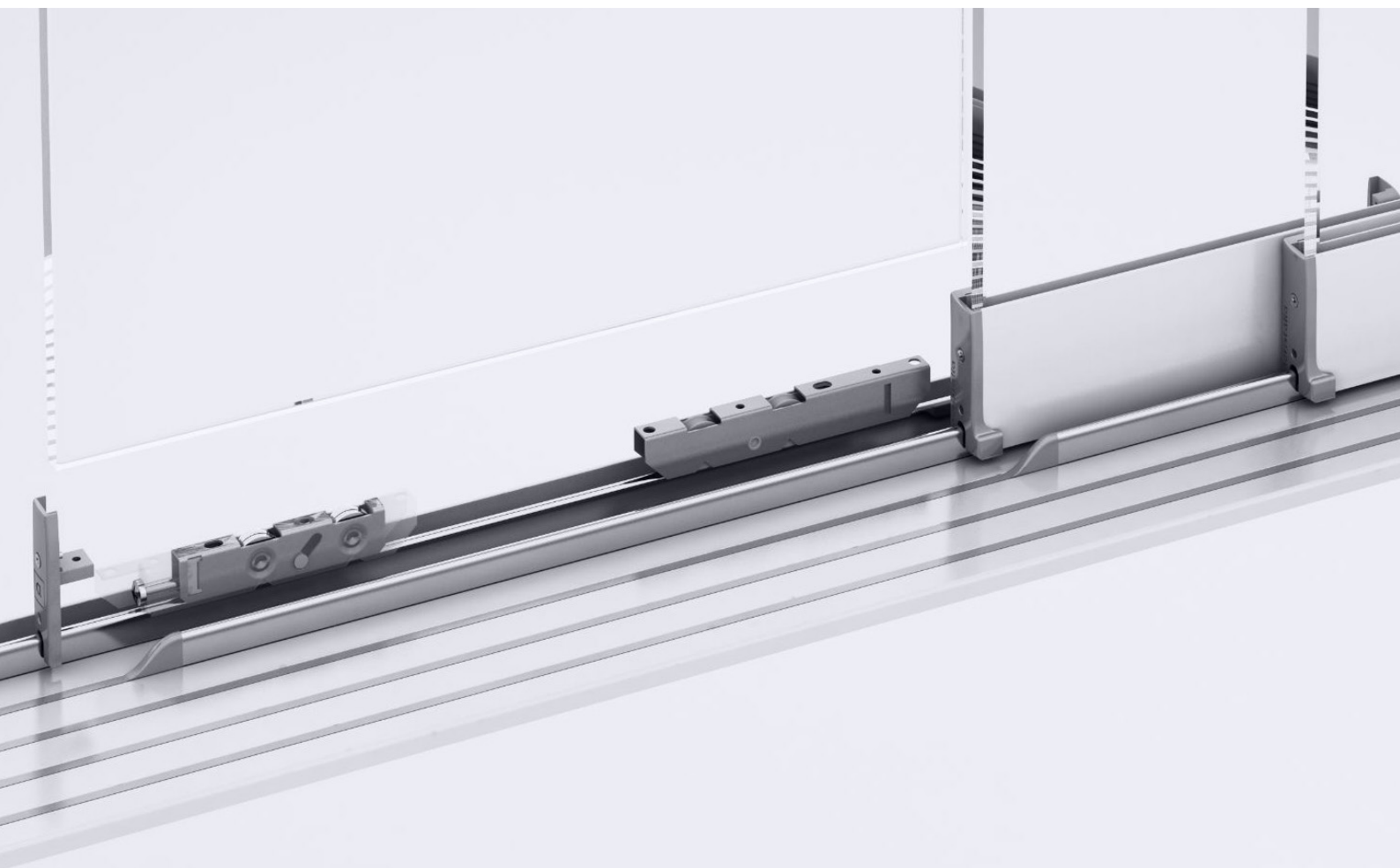


1 INTRODUCTION. TANDEM SERIES

The Tandem Series Sliding Curtain is a solution made for those who want to make the most of the space with the best views and for projects requiring that the bottom guide bears the weight of the structure.

This document is a technical tool established to make easier the installation of the product. This technical folder is composed of a guide of installation possibi-

lities with an overview of the design and the functionality of the product and the technical features such as the glass dimensions, the types of aluminium profiles and the requirements met by Acristalia for the fabrication of this product.



2 TESTS

This part relates to the certificates and quality standards met by Acristalia for the fabrication of this product with the different materials used. Also, the document details the glass classification. In addition, the AISI 316 stainless steel bearings used for the Tandem Series have been manufactured exclusively for Acristalia

and don't required maintenance. These bearings have been tested with full load and a resistance up to 200 kg per panel.

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 9001:2008** and guarantees that all the materials used in the manufacture of its products are of first quality complying with the following regu-

lations: 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**).

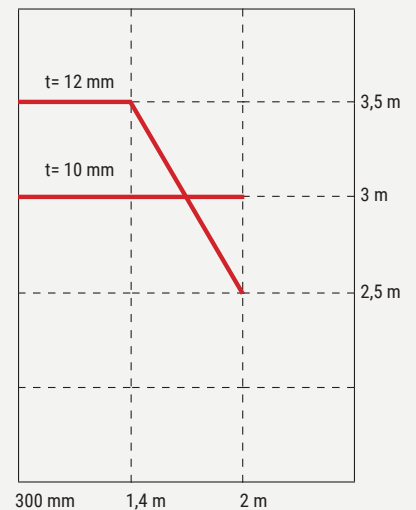
ACRISTALIA ADHESIVE CERTIFICATE
ACCORDING TO ETAG 002

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

The ending caps can bear glass parts up to 150 kg.



Nº Exp. 12 - 4178 -v 3260

CLASSIFICATION OF TEMPERED GLASS

All our glasses bear CE marking according to the standard UNE-EN 12150-1:2016 obtaining the maximal qualification 1C1 according to UNE-EN 12600:2003 standard.

Nº Exp. 1214463 - 1445

3 INSTALLATION POSSIBILITIES

The Acristalia sliding curtains offers different types of installation that adapt to the characteristics of the project. As shown in the drawings below, up to 10 panels per system can be installed. The opening can be central or lateral. In addition, the opening can be realized in angle for the structures with corners.

The installation works with overlapping panels, by pulling the main panel (the opening panel), the rest will slide along pulled by the main one so that the structure can be fully open or closed. Regarding the measures, the panels can be up to

3,5 metres high with tempered glass, laminated glass, solar control or any other composition that reaches 10 or 12 mm. The profiles finishes can be of any RAL chart colour, anodized or wood imitation.

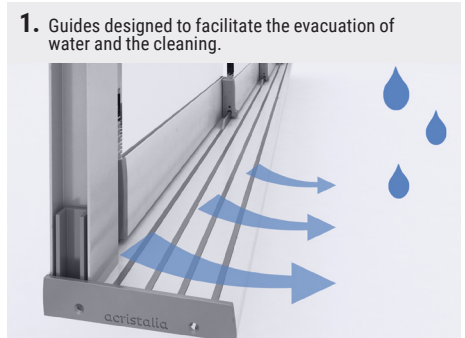
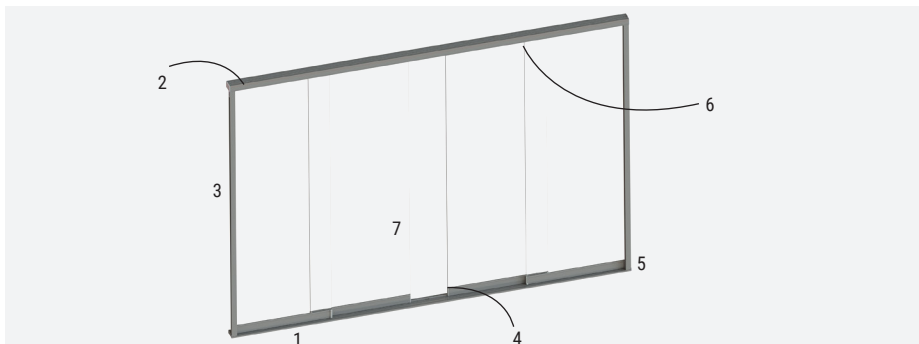


4 TECHNICAL FEATURES

This part details the different technical characteristics of this product. The Acristalia sliding system has been designed in such a way that it makes easier the water dispersion and the cleaning of the system (image 1). The profile used for each panel of this series makes possible an adjustment up to 7 mm, which is an asset for the flatness and levelling of the installation (image 4). In order to improve the water tightness of the system, a brush seal has been integrated in

the enclosures with side frame and in the bottom panel profile (image 3 and 5). Moreover, the panels are connected with seals (image 6).

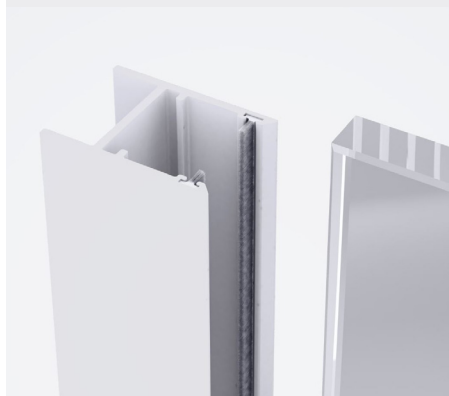
The top guide comes equipped with a covering profile for the unused tracks to have the best aesthetical aspect possible (image 7).



2. The top guide can be adjusted up to 16 mm in height.



3. Better water tightness with enclosures with side frame.



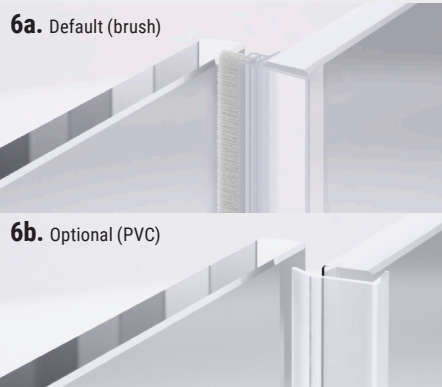
4. Adjustment in height up to 7 mm.



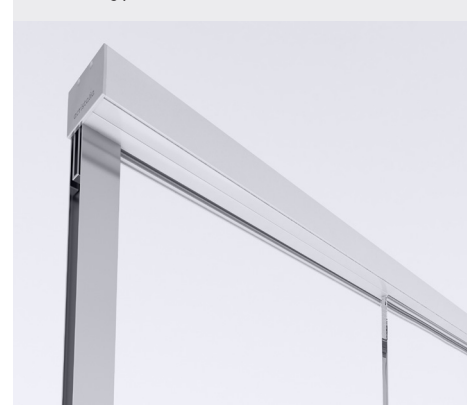
5. Design perfectly integrated, open and closed.



6. Seals between panels to improve the water tightness



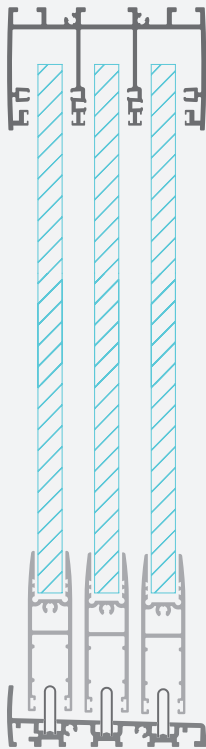
7. Covering profiles.



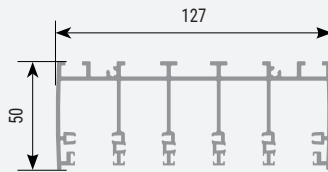
5 PROFILES SECTION

Version: March 2018
 Denomination: Parts Sliding
 Curtain - Tandem Series

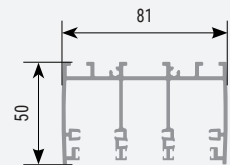
View of the panels
 section



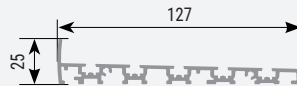
Top runner guide
 profile T5



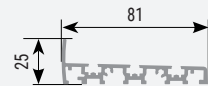
Top runner guide
 profile T3



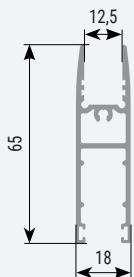
Bottom guide
 profile T5



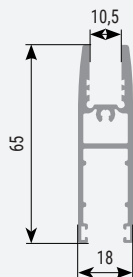
Bottom guide
 profile T3



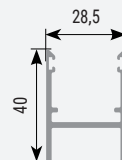
Profile for panels
 12,5mm



Profile for panels
 10,5mm



Sideframe
 profile



Cap for rails
 Top runner guide



