



CERTIFICATE

No. **PR-0527/033**

APPLUS + CERTIFIED PRODUCT

LGAI Technological Center, S.A. (APPLUS) certifies that the product:

**GLASS IN BUILDING. THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS.
PART 2: EVALUATION OF CONFORMITY/PRODUCT STANDARD**

Produced by:

ASTIGLASS, S.L.

C/ DEHESA DE LAS YEGUAS, I
P. I. LA CAMPIÑA FASE IV
41400 ÉCIJA (SEVILLA – ESPAÑA)

Is in accordance with the requirements of the Particular Certification System:

SPC 033

And the standard:

EN 12150-2:2004

This certificate is valid until 12th February 2022

Renovation / Modification of the initial certificate issued on 12th February 2007

Bellaterra, 17th May 2019




Applus⁺
LGAI Technological Center, S.A.

Xavier Ruiz Peña
Managing Director, Product Conformity B.U.

This certificate will only be valid if all conditions in the contract, where this certificate belongs to, are fulfilled.

This document is not valid without its technical annex, whose number coincides with the number of certificate.

TECHNICAL ANNEX PR-0527/033

APPLUS + CERTIFIED PRODUCT

- **PRODUCT RANGE: 4 – 19 MM FLOAT/COAT**
 - PENDULUM BODY IMPACT RESISTANCE:
 - Climaguard neutral70 tempered fo 10 mm, 1 (C) 1
 - 5 mm, 1 (C) 1
 - 4 mm, 1 (C) 1
 - Coat of 6 mm ($1 \geq \varepsilon \geq 0,25$), 1 (C) 1
 - MECHANICAL RESISTANCE AGAINST SUDDEN TEMPERATURE CHANGES AND TEMPERATURE DIFERENTIALS:
 - Templasol 5-19mm, 200 K
 - Float 4mm, 200 K
 - MECHANICAL RESISTANCE OF THE GLASS UNIT AGAINST WIND, SNOW, AND PERMANENT IMPOSED LOAD AND/OR IMPOSED LOADS OF THE GLASS UNIT:
 - Templasol 5 a 19 mm
 - Float 4 MM
 - Coat of $1 \geq \varepsilon \geq 0,25$, 6 a 10 mm
- **PRODUCT RANGE: IMPRESO CARGLASS DE 1 CARA DE 4 – 10 MM**
 - PENDULUM BODY IMPACT RESISTANCE (SMOOTH FACE IMPACT):
 - SMOOTH FACE impact, 1 (C) 0
 - PRINTED FACE impact 1 (C) 1
 - MECHANICAL RESISTANCE AGAINST SUDDEN TEMPERATURE CHANGES AND TEMPERATURE DIFERENTIALS:
 - 200 K
 - MECHANICAL RESISTANCE OF THE GLASS UNIT AGAINST WIND, SNOW, AND PERMANENT IMPOSED LOAD AND/OR IMPOSED LOADS OF THE GLASS UNIT:
 - 4 mm