



## APPLUS + CERTIFIED PRODUCT

No.

PR-1222/052

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

**BUILDING HARDWARE. FURNITURE FITTINGS.**

Produced by:

**S.A. HERRAJES DE CORREDERA (SAHECO)**

C/ BELLMUNT, 104 – P.I. DE FORADADA  
08580 SANT QUIRZE DE BESORA (BARCELONA)

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

**SPC 052**

And the standards:

**UNE-EN 1527:2020+A1:2022 BUILDING HARDWARE. HARDWARE FOR SLIDING AND FOLDING DOORS. REQUIREMENTS AND TEST METHODS.**

**UNE-EN 1670:2007; UNE-EN 1670:2007/AC:2008 BUILDING HARDWARE. CORROSION RESISTANCE. REQUIREMENTS AND TEST METHODS**

**DIN 68859 FURNITURE FITTINGS. ROLLER FITTINGS FOR SLIDING DOORS**

**This certificate is valid until 19<sup>th</sup> February 2028, provided that the conditions set out in the contract are maintained.**

**Renovation / Modification of the initial certificate issued on 19<sup>th</sup> February 2010**

Bellaterra, 24<sup>th</sup> January 2025



**Applus<sup>+</sup>**  
LGAI Technological Center, S.A.

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

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

*You can check the validity of this certificate on our website: [www.appluslaboratories.com/certified\\_products](http://www.appluslaboratories.com/certified_products)*

## QUALITY CERTIFICATE

**APPLUS+ CERTIFIED PRODUCT PR-1222/052**

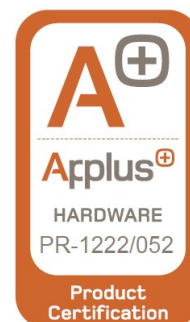
### SF-P140 x 1 SOFTOP DOUBLE

APPLICATION STANDARDS		UNE-EN 1527:2020+A1:2022, UNE-EN 1670:2007; UNE-EN 1670:2007/AC:2008, DIN 68859								
CODE										
DIGIT NUMBER	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
	Door category	Door mass	Dimensions of the panel used in the test	Corrosion resistance	Impact resistance test	Horizontal static load resistance test	Static load resistance test	Initial friction maximum permitted value	Durability	Door category
EN 1527	1	3	2	3	1	3	1	3	6	---
A+	1	3	2	3	1	3	1	3	6	0
DURABILITY	100.000 CYCLES									
WEIGHT	Maximum weight of door / panel 140kg									

\*see technical annex

**Juan López**

**R&D&I & Technical Manager**

## TECHNICAL ANNEX PR-1222/052

### Door category (first digits)

- Grade 1 = sliding door
- Grade 2 = folding door (two-panel) and corner sliding door
- Grade 3 = multi-panel folding door and cantilever sliding door

### Door mass (second digit)

- Grade 1 = door  $\leq$  50 kg
- Grade 2 = door  $>$  50 kg
- Grade 3 = door  $>$  100 kg
- Grade 4 = door  $>$  200 kg

### Dimensions of the panel used in the test (third digit)

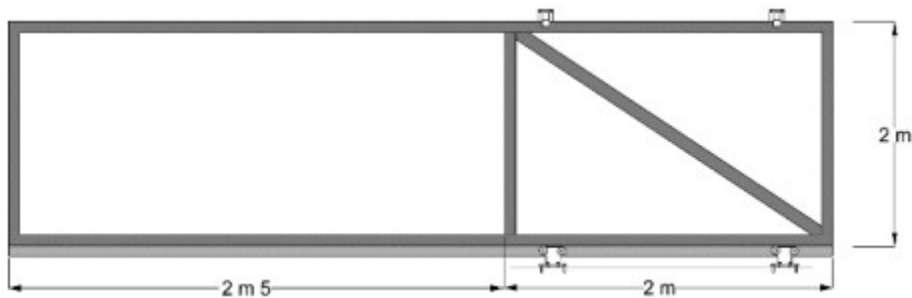
For sliding doors:

- Grade 2 = test panel dimensions should be 2 m high by 0,80 m wide.
- Grade 4 = test panel dimensions should be 2 m high by 2 m wide.

For corner sliding doors, two-panel folding doors and multi-panel folding doors:

- Grade 1 = test panel dimensions should be 2 m high by 0,50 m wide.
- Grade 2 = test panel dimensions should be 2 m high by 0,80 m wide.
- Grade 3 = test panel dimensions should be 2 m high by 1 m wide.
- Grade 4 = test panel dimensions should be 2 m high by 2 m wide.

For cantilever gates: The dimensions of the test panel leaf should be 2 m high by 2,5 + 2 m wide.



### Corrosion resistance (fourth digit)

- Grade 0 = no corrosion resistance is defined
- Grade 1 = 24 h
- Grade 2 = 48 h
- Grade 3 = 96 h
- Grade 4 = 240 h
- Grade 5 = 480 h

### Impact resistance test (fifth digit)

Grade (mb)	Grade 1	Grade 2	Grade 3
	2 kq	3 kq	4 kq



**Horizontal static load resistance test (sixth digit)**

Grade	Grade 1	Grade 2	Grade 3
(F)	150 N	200 N	250 N

**Static load resistance test (seventh digit)**

Grade 0 = No test or test not approved.

Grade 1 = Test requirements are met.

**Initial friction maximum permitted value (eighth digit)**

Door mass	From 0 kg to 50 kg	From 51 kg to 100 kg	From 101 kg to 200 kg	More than 201 kg
Grade 1	50 N	80 N	90 N	5% of mass
Grade 2	30 N	50 N	60 N	3% of mass
Grade 3	10 N	20 N	30 N	2% of mass

**Durability (ninth digit)**

Grade 1 = 5 000 test cycles

Grade 2 = 10 000 test cycles

Grade 3 = 25 000 test cycles

Grade 4 = 50 000 test cycles

Grade 5 = 75 000 test cycles

Grade 6 = 100 000 test cycles

**Bump Impact Safety – A+ (tenth digit)**

Grade 0: Stop NOT SUITABLE to withstand dynamic impact load.

Grade 1: Stop SUITABLE to withstand dynamic impact load.

