



APPLUS + CERTIFIED PRODUCT

No.

PR-1222/052

LGAJ 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 19th February 2028, provided that the conditions set out in the contract are maintained.

Renovation / Modification of the initial certificate issued on 19th February 2010

Bellaterra, 24th January 2025



Applus⁺
LGAJ 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

QUALITY CERTIFICATE

APPLUS+ CERTIFIED PRODUCT PR-1222/052

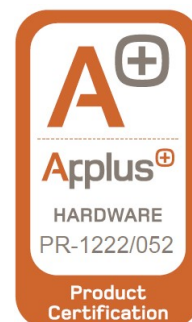
SF-RA A90 + SOFTBRAKE

APPLICATION STANDARDS		UNE-EN 1527:2020+A1:2022, UNE-EN 1670:2007; UNE-EN 1670:2007/AC:2008, DIN 68859								
CODE										
DIGIT NUMBER	1º	2º	3º	4º	5º	6º	7º	8º	9º	10º
	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	2	2	3	---	---	0	3	6	---
A+	1	2	2	3	---	---	0	3	6	0
DURABILITY	100.000 CYCLES									
WEIGHT	Maximum weight of door / panel 90kg									

*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 ≤ 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)

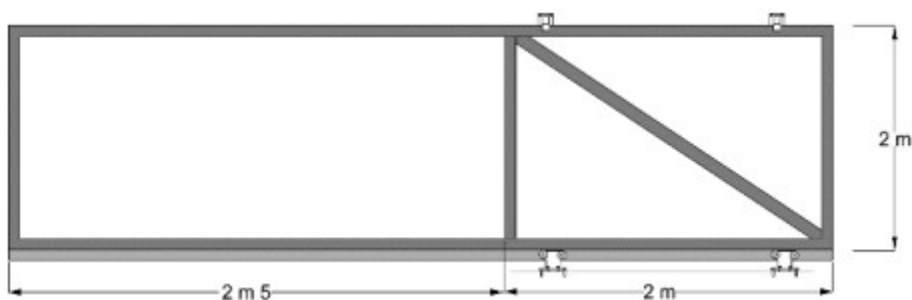
For sliding doors:

- 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.

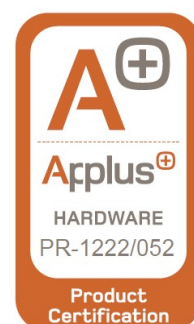


Corrosion resistance (fourth digit)

- 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	Grade 1	Grade 2	Grade 3
(mb)	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.

