LGAI Technological Center, S.A. (APPLUS)
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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 19th February 2025, provided that the conditions set out in the contract are maintained.

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

Bellaterra, 20th January 2023

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



APPLUS + CERTIFIED PRODUCT

SAHECO - SF-RA A90

TECHNICAL ANNEX PR-1222/052

QUALITY REQUIREMENTS	UNE-EN 1527:2020+A1:2022, UNE-EN 1670:2007; UNE-EN 1670:2007/AC:2008, DIN 68859 categories								
DETAILS	Door category	Door mass	Dimensions of the panel used in the test	Corrosion resistance	Impact resistance	Horizontal static load resistance	Static load resistance test	Initial friction maximum permitted value	Durability
	1	2	2	3	---	---	0	3	6
DIN EN 1527:2013 DURABILITY	100.000 cycles								
WEIGHT	Maximum weight of door / panel 90kg								

*See Annex 1

Juan López
R&D&I & Technical Manager



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Annex 1

TECHNICAL ANNEX PR-1222/052

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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)

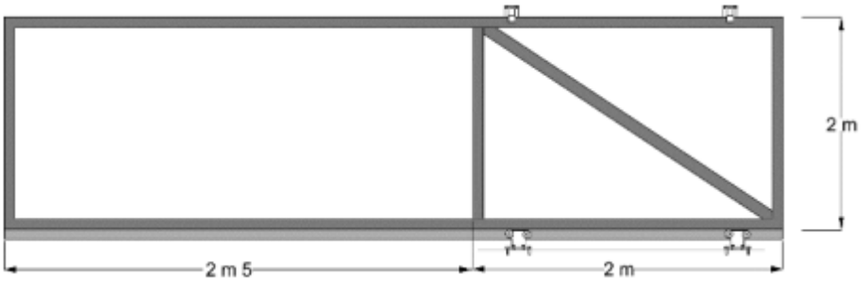
- For sliding doors:

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

Applus HARDWARE PR-1222/052 Product Certification

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Annex 1

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Impact resistance test (fifth digit)

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

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 10 1kg 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

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HARDWARE
PR-1222/052
Product Certification