



- SAVIO THESAN
- JULY 2020

TEST & CERTIFICATION ROLLUP & MAGLEV

TEST & CERTIFICATION

SLIDEART ROLLUP AND MAGLEV



SLIDEART ROLLUP: SPECIFICATIONS

EN Classification

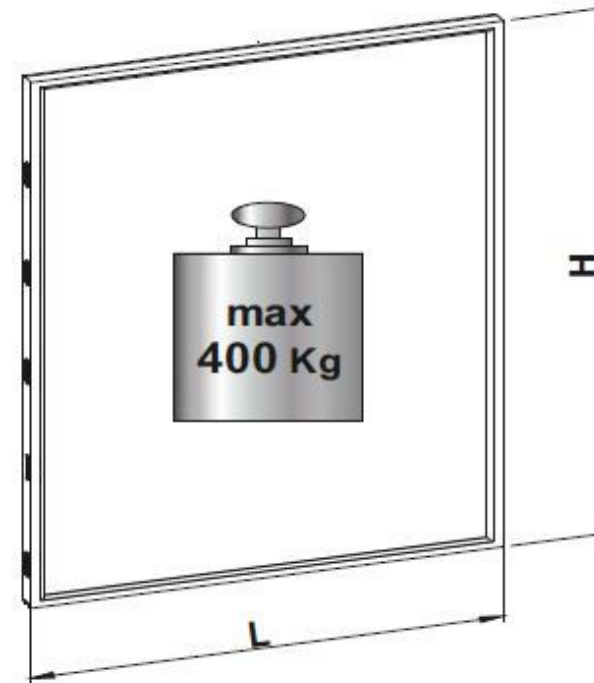
Type of product: **HARDWARE** for **LIFT AND SLIDE DOORS**

Name of product: **SLIDEART ROLLUP**

Item: **2455/400**

The product has been tested according to the requirements of the standard **EN 13126-16:2019** and classified as follows:

1	2	3	4
Durability	Mass	Corrosion resistance	Test sizes
H3	400	5	1440/2400

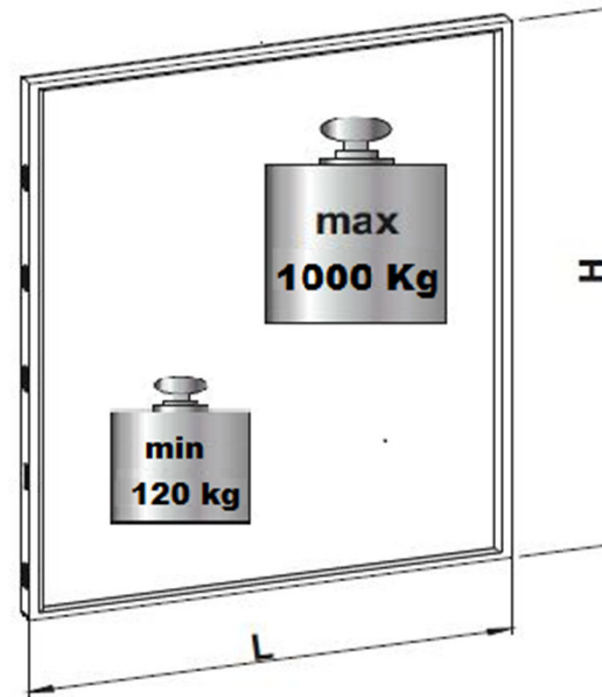


Legenda:

1	DURABILITY	Class H1 = 5.000 cycles; classe H2 = 10.000 cycles; classe H3 = 20.000 cycles;
2	MASS (kg)	Loading capacity from 50kg.
3	CORROSION RESISTANCE	Grade 3 = high resistance; Grade 4 = very high corrosion resistance; Grade 5 = exceptionally high resistance
4	TEST SIZES	Dimensions as tested (W x H)

SLIDEART MAGLEV: SPECIFICATIONS

L= MOBILE/FIXED LEAF WIDTH
H=MOVABLE/FIXED LEAF HEIGHT



L=4000MM (MAX) H=4100MM (MAX)
L=1200MM (MIN) H=2100MM(MIN)

SLIDEART

THERMAL TRANSMITTANCE



OUR SYSTEMS MUST NOT COMPROMISE THE PERFORMANCE OF THE WINDOW/FAÇADE.

THERMAL TRANSMITTANCE CAN BE A SERIOUS PROBLEM FOR DIFFERENT STANDPOINTS: ECONOMIC, COMFORT, SAFETY.

SLIDEART

THERMAL TRANSMITTANCE



Istituto di Ricerca e Certificazione per le Costruzioni Sostenibili
Notified Body No. 1994 in accordance with Regulation CPR (EU) No. 305/2011

Test Report No.1994-CPR-RP1910



TEST ARE
CARRIED OUT BY
EXTERNAL
CERTIFIED
LABORATORIES.

WHOLE
SLIDEART LINE
IS SUBJECTED
TO THERMAL
TESTS

TEST REPORT

Number:
1994-CPR-RP1910

Issuing date:
23 October 2019

Applicant:
SAVIO THESAN S.p.A.
Via Torino n. 25 (S.S. 25)
10050 Chiusa San Michele (TO) - Italy

Tested product:
Systems nodes for sliding doors,
Trade name given by applicant
"SLIDEART LINE"
(cf. description)

Executed tests:
Calculation of the thermal transmittance

Normative references:
EN 14351-1:2006+A2:2016
EN ISO 10077-2:2017

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The results included in the Test Report refer exclusively to the tested objects, identified in the present Test Report
Translation published on 31/01/2020*

1 Description of the tested sample

Both description and technical drawings below, referred to the tested sample, were declared and supplied by the applicant under his own responsibility.
The series undergoing testing is composed of no. 8 system nodes for sliding door of the series marketed as "SLIDEART LINE".

- Type: Node for sliding door.
- Material: wood.
- Profiles:
 - frame :

frame profile upper transom	art. AT01,
frame profile upper transom	art. AT02,
frame profile upper transom	art. AT03,
frame profile mullion	art. AT04,
frame profile mullion	art. AT05,
frame profile mullion	art. AT06,
frame profile rib	art. AV01,
 - operable casement:

operable casement profile upper transom	art. AM01,
operable casement profile bottom transom	art. AM02,
operable casement profile right and left mullion	art. AF04,
bring brush profile for labyrinth	art. AL01,
stop-glass profile	art. FF01,
 - fixed casement:

fixed casement profile upper transom	art. AF01,
fixed casement profile bottom transom	art. AF02,
fixed casement profile left mullion	art. AF04,
fixed casement profile right mullion	art. AF01,
bring brush profile for labyrinth	art. AL01,
stop-glass profile	art. FF01,
- all designed by SAVIO THESAN S.p.A., Chiusa San Michele (TO)
- Glazing gaskets: the glass was sealed with structural silicone supplied by SAVIO THESAN S.p.A., Chiusa San Michele (TO).
- Gaskets:

- brush gasket	art. 2457.GS01,
- rabbet gasket	art. 2457.GI01,
- casement upper gasket mm 25x6	art. 2457.GAM25x5,
- casement bottom gasket anta mm 10x6	art. 2457.GA10X5,

all provided by SAVIO THESAN S.p.A., Chiusa San Michele (TO)
- Declared nominal dimensions: see drawings.

TEST & CERTIFICATION

Test Report No:1994-CPR-RP1910

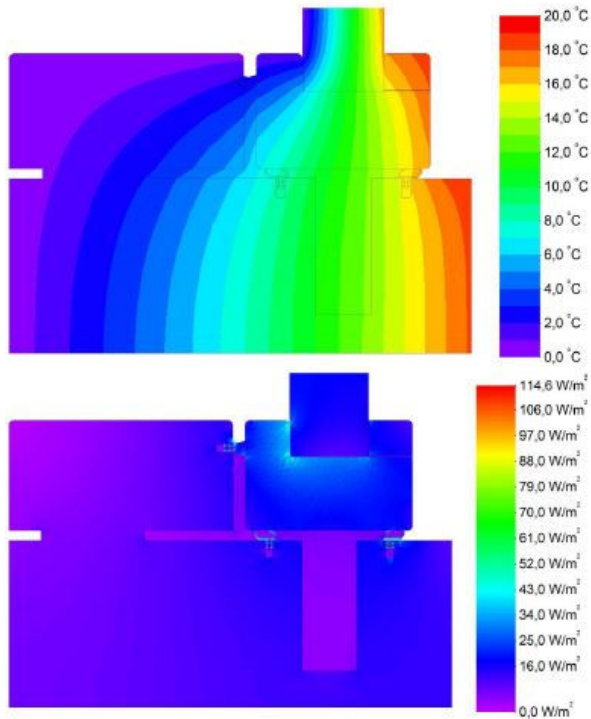


Fig. 16. Trend of temperatures and of the heat fluxes within side node – operable casement – lock of 22mm

Thermal transmittance of side node – operable casement – lock of 22mm:

Soft Wood - $U_f = 0,8 \text{ W/m}^2\text{K}$

Medium hard Wood - $U_f = 0,9 \text{ W/m}^2\text{K}$

Hard Wood - $U_f = 1,2 \text{ W/m}^2\text{K}$

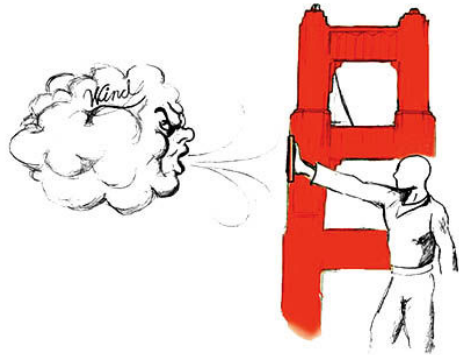
TESTS ARE CERTIFIED USING BOTH EXPERIMENTAL TECHNIQUES (THERMAL IMAGING) AND FEM CODE ASSESSED AGAINST UNI EN ISO 10211

TEST RESULTS ARE COMPARABLE WITH A GOOD GLAZED WINDOW: $0.9 \text{ W/M}^2/\text{K}$

TEST & CERTIFICATION

SLIDEART

WIND PRESSURE – WATERTIGHTNESS



SAVIO-THESAN, WITH A CENTURY EXPERIENCE OF WINDOW HARDWARE, OPERATES WITH A IN-HOUSE WATER / WIND TESTING LABORATORY.

TESTS ARE PERFORMED IN-HOUSE BY AN EXTERNAL CERTIFIED SUPPLIER.

SLIDEART

WIND PRESSURE – WATERTIGHTNESS



Istituto di Ricerca e Certificazione per le Costruzioni Sostenibili
Notified Body No. 1994 in accordance with Regulation CPR (EU) No. 305/2011

TEST REPORT

Number:
1994-CPR-RP1911

Issuing date:
24 October 2019

Applicant:
SAVIO THESAN S.p.A.
Via Torino n. 25 (S.S. 25)
10050 Chiusa San Michele (TO) - Italy

Tested product:
Sliding roller door with one casement and one lateral fixed lights,
Trade name given by applicant
“Alzante Scorrevole SLIDEART ROLLUP”
(cf. description)

Executed tests:
Air permeability
Watertightness
Resistance to wind load

Normative references:
EN 14351-1:2006+A2:2016
EN 1026:2016 EN 12207:2017
EN 1027:2016 EN 12208:1999
EN 12211:2016 EN 12210:2016

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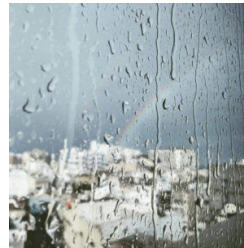
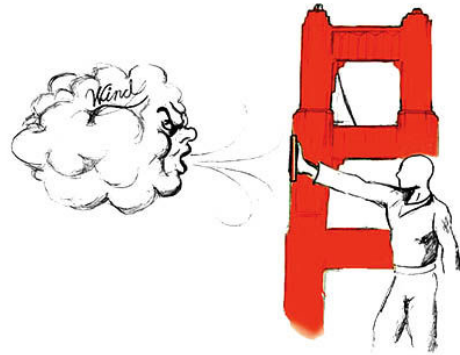
Photographs of the sample under test and of the experimental setup



Photo 1: Tested sample in the experimental setup

OUR INTERNAL
TEST RIG IS USED
BY IRCCOS TO
CARRY OUT TEST

SLIDEART: TEST SUMMARY



Test Report No:1994-CPR-RP1911



10 Resume of classes assigned on the basis of the results of the tested sample of a Sliding roller door with one casement and one lateral fixed lights, with trade name "Alzante Scorrevole SLIDEART ROLLUP", given by the applicant, according to TR no. 1994-CPR-RP1911, issued on 24th October 2019 to SAVIO THESAN S.p.A., wholly referred to.

Test	Test standard	Classification standard	Obtained class
Air permeability	EN 1026:2016	EN 12207:2016	classe 4
Watertightness	EN 1027:2016	EN 12208:1999	classe E750
Resistance to wind load	EN 12211:2016	EN 12210:2016	classe C2

BEST IN CLASS

BEST IN CLASS

ALMOST BEST IN CLASS



SAVIO THESAN S.p.A.

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