



TEST REPORT Nr. 005 ŠSF/08 VN en

Page (pages)

29 of January 2008

1 (4)

Windows and doors – Watertightness

(designation of the test)

Test performed: In accordance to LST EN 1027
(number of normative document)

Product: HS sliding doors. Wooden doors. Door height -2090 mm, length 1990mm. Karm profile - 40×133mm, sash profile - 66×90 mm. Product fittings - Siegenia HS - 200 Portal, consists of rail, rollers and lock. Silikon sealings - Sipla AS (Sweden); glueable sealing - Trelleborg (Germany). Glasing : 4/18/4 selective.
(name, description and identification details of a specimen)

Client: “Panorama Nordic“ Ltd, Jugintu vill. Babtu gen. Kaunas reg.
(the name and address)

Producer: “Panorama Nordic“ Ltd, Jugintu vill. Babtu gen. Kaunas reg.
(the name and address)

Results of test:

Name of the indicator and unit	Test method reference no.	Test result
Test pressure, when water not penetrated, Pa	LST EN 1027	600
Time, when water penetrated, min, s.	LST EN 1027	-
Class of watertightness	LST EN 12208	9A

Place of test: Laboratory of Building Thermal Physics, IAC KUT
(name of the test laboratory)

Product delivered: 2008-01-16 Date of test: 2008-01-22

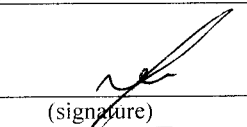
Sample selected: by customer. Order description No 005/08, 2008 01 18

Other information: -
(other deviations, other tests and any information related to the test)

Annex: 1 – measurement results, 2 – schematical view of the test rig
(the numbers of the annexes should be pointed out)

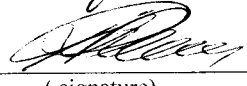
Technical manager:
(approving test results)

J. Ramanauskas
(n., surname)


(signature)

Test performed by:
(person responsible for a test)

R. Rauckis
(n., surname)


(signature)

S.P.

Validity – the named data and results refer exclusively to the tested and described specimens.
Notes on publication – no part of this document may be photocopied, reproduced or translated to another language without the prior written consent of the Laboratory of Building Thermal Physics



Installation of the sample

Sample has been installed into test rig „KS 3025/45 ASD SPS Touch“ opening by workers of the laboratory. An opening of the test rig was adjusted that it size would meet the dimensions of the sample

Methods and equipment

Air permeability has been tested in accordance with requirements of [1], [2].

Test rig „KS 3025/45 ASD SPS Touch“ includes:

1. test wall,
2. Air flow control block,
3. Water sprinkling system,
4. Indication and control equipment,
5. Deflection sensors.

Technical data of test rig:

1. Max size of the sample should be tested: width – 3000 mm, height – 2500 mm,
2. Max developed test pressure: ± 3000 Pa,
3. Ranges of measurement: I – (0,5...50) m³/h II – (0,5...300) m³/h,
4. Range of displacement sensors ± 25 mm.
5. Electronic anemometer for air flow measurement VTS Nr. 00100173, Calibration certificate No EMA04271024139(date of calibration: 27-10-2004)

Sources [1] *LST EN 1027 Windows and doors - Watertightness – Test method*
[2] *LST EN 12208:2002 Windows and doors - Watertightness - Classification*

Distribution Client Original
Laboratory of Building Thermal Physics, IAC KUT Original

Contact person : Romas Rauckis, tel. +370 37 350779

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Designation of the product tested: HS sliding doors. Wooden doors. Door height -2090 mm, length 1990mm. Karm profile - 40×133mm, sash profile - 66×90 mm. Product fittings - Siegenia HS -200 Portal, consists of rail, rollers and lock. Silikon sealings - Sipla AS (Sweden); glueable sealing - Trelleborg (Germany). Glazing : 4/18/4 selective.

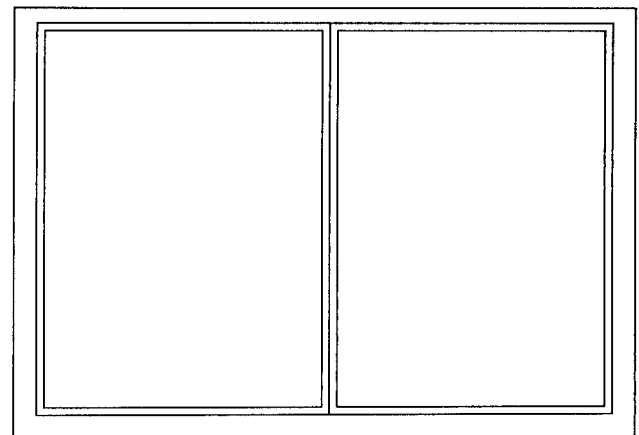
Test date: 2008-01-22

Description of test conditions:

Size of the sample, $H_T = 2,09$ m, $B_T = 1,99$ m,
Air temperature, 19,0 °C
Relative humidity of the air, 40 %
Atmospheric pressure, 100,0 kPa
Declare class of watertightness – cl.
Number of water spray nozzles 4 vnt.
Flow rate/ water spray nozzles 2 l/min.
Test method A

Classification of watertightness

P, Pa	time, min.	S, NS
0	15	S
50	5	S
100	5	S
150	5	S
200	5	S
250	5	S
300	5	S
450	5	S
600	5	S



*Fig 1. Picture of window or door.
Arrow show point of water penetration*

Note: Letter S mean water not penetration at this pressure. Letter NS mean water penetration at this pressure.

Water not penetrate at the positiv test presure **600 Pa** . Watertightness class **9A** according to LST EN 12208.

Evaluated in accordance with test results.

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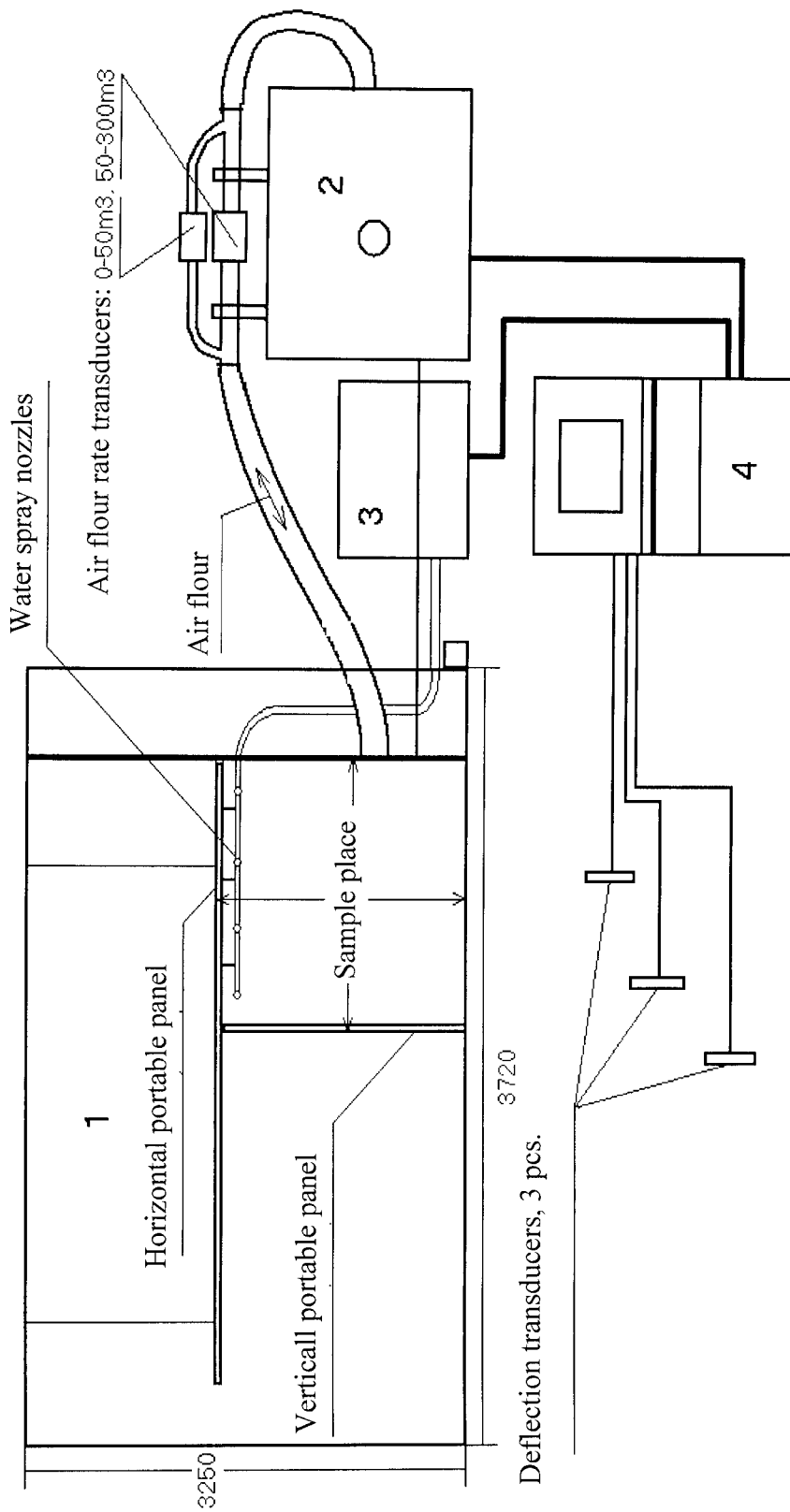


Fig 1. Equipment for window, door, roof window, industrial door and screen wall air permeability, rain water resistance and resistance to wind load measurements scheme: 1 – test measurement wall, 2 – air flow control and regulation block, 3 – water spray device, 4 – indicator and control equipment