

Test protocol

Fenstersysteme
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Order : AXOR Y PÜ G
Test number: 11 Date: 09.07.2014
Tester : V.Shelepnev

Characteristiques of element

Type of element : 1
Opening type : 1
Overall Dim. (W x H) : 1.230 x 1.480 m Area : 1.820 m2
Opening Vent (W x H) : 1.165 x 1.415 m Area : 1.648 m2
Seal length : 5.188 m

Reference of Profiles

Frame	:101G I WWS72	Sill Detail	:
Sash	:103H GWWS72	Transom	:
Mullion	:***	Glazing bead	:
Sealing	:***	Drip Bar	:
Hardware	:	Other	:
Material	:UXO	Locking	:
Finish	:	Hinges	:

Glazing

Type	:4T Fx16x4T F	Filling	:
Filling	:	Glas area	:
Glass Dimensions	: H A {	Other	:

Classification

Desired: Air Permeability 4 Wind Resistance 0- Watertightness A9
Actual : Air Permeability 4 Wind Resistance 0- Watertightness A9
Temperature: 20 Celsius Humidity: 75 Air pressure: 1013.0 HPa

Remark:

Place: Moskau Date: 09.07.2014 Tester: V.Shelepnev

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Air Permeability: EN 12207 in accordance with BS EN 1026

Window surface: 1.820 m² Seal length: 5.188 m

1. Air Permeability pressure / Air Permeability suction

Pressure		Qc m ³ h	Qtc m ³ h	Window surface		Joints length	
Desired	Actual			m ³ /h/m ³	class	m ³ /h/m	class
+							
50	50	0.00	0.08	0.04	4	0.01	4
100	100	0.00	0.08	0.04	4	0.01	4
150	151	0.00	0.48	0.26	4	0.09	4
200	200	0.00	0.65	0.36	4	0.12	4
250	250	0.00	0.78	0.43	4	0.15	4
300	301	0.00	0.92	0.50	4	0.17	4
450	452	0.00	1.33	0.73	4	0.25	4
600	602	0.00	1.72	0.94	4	0.33	4
-							
-50	-50	0.00	0.10	0.05	4	0.02	4
-100	-100	0.00	0.11	0.06	4	0.02	4
-150	-150	0.00	0.61	0.33	4	0.11	4
-200	-200	0.00	0.75	0.41	4	0.14	4
-250	-250	0.00	0.89	0.49	4	0.17	4
-300	-300	0.00	0.99	0.54	4	0.19	4
-450	-453	0.00	1.32	0.73	4	0.25	4
-600	-601	0.00	1.67	0.92	4	0.32	4
Average							
50	50	0.00	0.09	0.05	4	0.01	4
100	100	0.00	0.09	0.05	4	0.01	4
150	150	0.00	0.55	0.30	4	0.10	4
200	200	0.00	0.70	0.38	4	0.13	4
250	250	0.00	0.84	0.46	4	0.16	4
300	300	0.00	0.96	0.52	4	0.18	4
450	452	0.00	1.33	0.73	4	0.25	4
600	601	0.00	1.70	0.93	4	0.32	4

Pressure: 4 Suction: 4 Average value: 4

2. Air Permeability pressure / Air Permeability suction

Pressure		Qc m ³ h	Qtc m ³ h	Window surface		Joints length	
Desired	Actual			m ³ /h/m ³	class	m ³ /h/m	class
+							
50	50	0.00	0.09	0.05	4	0.01	4
100	100	0.00	0.09	0.05	4	0.01	4
150	150	0.00	0.53	0.29	4	0.10	4
200	200	0.00	0.67	0.37	4	0.13	4
250	251	0.00	0.83	0.45	4	0.16	4
300	300	0.00	0.96	0.53	4	0.18	4
450	452	0.00	1.34	0.73	4	0.25	4
600	601	0.00	1.76	0.96	4	0.33	4
-							
-50	-50	0.00	0.11	0.06	4	0.02	4
-100	-100	0.00	0.11	0.06	4	0.02	4
-150	-150	0.00	0.59	0.32	4	0.11	4
-200	-201	0.00	0.75	0.41	4	0.14	4
-250	-250	0.00	0.87	0.47	4	0.16	4
-300	-300	0.00	0.99	0.54	4	0.19	4
-450	-452	0.00	1.30	0.71	4	0.25	4
-600	-603	0.00	1.62	0.89	4	0.31	4
Average							
50	50	0.00	0.10	0.05	4	0.02	4
100	100	0.00	0.10	0.05	4	0.02	4

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2. Air Permeability pressure / Air Permeability suction

Pressure		Qc m ³ h	Qtc m ³ h	Window surface		Joints length	
Desired	Actual			m ³ /h/m ³	class	m ³ /h/m	class
150	150	0.00	0.56	0.30	4	0.10	4
200	200	0.00	0.71	0.39	4	0.13	4
250	250	0.00	0.85	0.46	4	0.16	4
300	300	0.00	0.97	0.53	4	0.18	4
450	452	0.00	1.32	0.72	4	0.25	4
600	602	0.00	1.69	0.92	4	0.32	4

Pressure: 4 Suction: 4 Average value: 4

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Watertightness: BS EN 1027 -

Spaying method A	Number of nozzles: 3	Vol. Water: 360.0 litre/hour
Spaying angle: 24 Degree		: 6.0 litre/minute
Add. spraying pipe	Number of nozzles: 0	Vol. Water: 0.0 litre/hour
(1.0 litre/nozzle)		: 0.0 litre/minute

1. Watertightness pressure

Pressure		Time	Remark
Desired	Actual		
0	0	00:15:00	OK
50	50	00:05:00	OK
100	100	00:05:00	OK
150	150	00:05:00	OK
200	201	00:05:00	OK
250	251	00:05:00	OK
300	300	00:05:00	OK
450	452	00:05:00	OK
600	602	00:05:00	OK

Watertightness Class: A9

Point of water ingress :

Probable cause of leakage :

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Window sketch:

Dimensions (W x H) : 1.230 m x 1.480 m
Joints length: 5.188 m
Window surface: 1.820 m²
Sash surface: 1.648 m²

