Centrum stavebního inženýrství a.s.
Centre of Building Construction Engineering Plc.
Authorised Body, Notified Body, Certification Body,
Accredited Test Laboratories
workplace Zlín, K Cihelně 304, 764 32 Zlín-Louky

V 3048

Notified Body 1390

issued

REPORT

about an assessment of the performance of the product

according to REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, Annex V, cl. 1.4 (system 3), as amended

No. 1390-CPR-0293-2014/Z(e)*

*** Translation of Report about an assessment of the performance of the product No. 1390 – CPR – 0293 – 2014/Z dated 01.12.2014**

Application No.: 0293/2014/Z
Number of pages: 11

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The title of the product:
Wooden roof window type Q-4/ QT4

according to **EN 14351-1:2006+A1:2010**

which was made by manufacturer:
Roto Okna Dachowe Sp. z o.o.
ul. Lubelska 104, 21-100 Lubartów
Poland

and which was made in factory:
Roto Okna Dachowe Sp. z o.o.
ul. Lubelska 104, 21-100 Lubartów
Poland

Report prepared by : **Ing. Milan Helegda, Ph.D.** .....

Head of NB 1390 : **Ing. Petr Kučera, CSc.** .....

CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s. OZNÁMENÝ SUBJEKT 1390 ÚNMZ 3

Zlín 10.02.2015

1 SPECIFICATIONS OF THE SUBJECT OF TEST

1.1 Specification of specimens: Wooden roof window type Q-4H/ QT4 – Specification and sizes of particular specimens are given in the cited test reports

1.2 Description of the product:

Wooden roof window type Q-4...S / QT4...S without ventilation flap

Design	Single-light wooden roof window, without ventilation flap
Frame	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 37 x 117, profile no. 735667, side profile 37 x 117, profile no. 736701, bottom profile 37 x 86, profile no. 735681
Casement	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 43 x 114, profile no. 735751 + 735792, side profile 43 x 114, profile no. 735722, bottom profile 43 x 66, profile no. 735765
Other profiles	- The flashings are made by 0.7 mm and 0.5 mm aluminium *(supplier Roto Frank Bauelemente GmbH)* - The aluminium glazing bead / profile no. 736298 on the top and on the side, cutting 45° angle *(supplier Roto Frank Baulemente GmbH)* - Outside insulation profile EPP, on the side profile no. 735016 + 641967, on the top profile no. 735016 + 641967 and on the bottom profile no. 641967, cutting with 90° angle *(supplier Roto Frank Bauelemente GmbH)* - Inside insulation profile EPP, on the top – 735014 + 735013, on the side - 735013, on the bottom - 735015 *(supplier Roto Frank Bauelemente GmbH)*
Decompression and drainage of glazing joint	Open on the full length in the bottom of the glazing
Glazing	Glass type 2S and 2O (4 mm ESG/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2E (4 mm Float/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2C, 2G and 2P (4 mm ESG/ 16 mm spacer, Argon/ 6 mm VSG), Glass type 3C, 3O and 3R (4 mm ESG/ 12 mm spacer, Argon/ 4 mm ESG / 12 mm spacer, Argon/ 6 mm VSG), Glass type 3P (4 mm ESG/ 12 mm spacer, Krypton/ 4 mm ESG / 12 mm spacer, Krypton/ 6 mm VSG), Glass type 3A (8 mm VSG/ 8 mm spacer, Krypton/ 4 mm ESG / 8 mm spacer, Krypton/ 6 mm VSG) *(supplier Roto Frank Bauelemente GmbH)*
Gasket	- Between frame and casement there are two gaskets: on the top a seal TPE / profile no. 736307; on the top side seal TPE / profile no. 736307; on the bottom side seal TPE / profile no. 736308; in the bottom of the casement a seal TPE / profile no. 736308 *(supplier Roto Frank Bauelemente GmbH)*; - Between frame and flashing there is a EPDM gasket on the side profile no. 735018 *(supplier Roto Frank Bauelemente GmbH)*; - Glazing – outer: EPDM gasket / profile no. 279950; inside: EPDM gasket / profile no. 736311, on the bottom profile no. 736312 *(supplier Roto Frank Bauelemente GmbH)*
Hardware	Q-4:2 horizontal pivot hinges and a handle on the top of casement QT4:2 horizontal pivot hinges and a handle on the top of casement and motor *(supplier Roto Frank Bauelemente GmbH)*

NOTICE Detailed descriptions of particular specimens are given in the cited test reports.

Wooden roof window type Q-4...S / QT4...S with ventilation flap

Design	Single-light wooden roof window, with ventilation flap in the casement
Frame	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 37 x 117, profile no. 735667, side profile 37 x 117, profile no. 736701, bottom profile 37 x 86, profile no. 735681
Casement	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 43 x 114, profile no. 735751 + 735792, side profile 43 x 114, profile no. 735722, bottom profile 43 x 66, profile no. 735765
Other profiles	- The flashings are made by 0.7 mm and 0.5 mm aluminium *(supplier Roto Frank Bauelemente GmbH)* - The aluminium glazing bead / profile no. 736298 on the top and on the side, cutting 45° angle *(supplier Roto Frank Baulemente GmbH)* - Outside insulation profile EPP, on the side profile no. 735016 + 641967, on the top profile no. 735016 + 641967 and on the bottom profile no. 641967, cutting with 90° angle *(supplier Roto Frank Bauelemente GmbH)* - Inside insulation profile EPP, on the top – 735014 + 735013, on the side - 735013, on the bottom - 735015 *(supplier Roto Frank Bauelemente GmbH)* - On the top profile of the casement there is a ventilator / code no. 736031 *(supplier Roto Frank Bauelemente GmbH)*
Decompression and drainage of glazing joint	Open on the full length in the bottom of the glazing
Glazing	Glass type 2S and 2O (4 mm ESG/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2E (4 mm Float/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2C, 2G and 2P (4 mm ESG/ 16 mm spacer, Argon/ 6 mm VSG), Glass type 3C, 3O and 3R (4 mm ESG/ 12 mm spacer, Argon/ 4 mm ESG / 12 mm spacer, Argon/ 6 mm VSG), Glass type 3P (4 mm ESG/ 12 mm spacer, Krypton/ 4 mm ESG / 12 mm spacer, Krypton/ 6 mm VSG), Glass type 3A (8 mm VSG/ 8 mm spacer, Krypton/ 4 mm ESG / 8 mm spacer, Krypton/ 6 mm VSG) *(supplier Roto Frank Bauelemente GmbH)*
Gasket	- Between frame and casement there are two gaskets: on the top a seal TPE / profile no. 736307; on the top side seal TPE / profile no. 736307; on the bottom side seal TPE / profile no. 736308; in the bottom of the casement a seal TPE / profile no. 736308 *(supplier Roto Frank Bauelemente GmbH)*; - Between frame and flashing there is a EPDM gasket on the side profile no. 735018 *(supplier Roto Frank Bauelemente GmbH)*; - Glazing – outer: EPDM gasket / profile no. 279950; inside: EPDM gasket / profile no. 736311, on the bottom profile no. 736312 *(supplier Roto Frank Bauelemente GmbH)*
Hardware	Q-4:2 horizontal pivot hinges and a handle on the top of casement QT4:2 horizontal pivot hinges and a handle on the top of casement and motor *(supplier Roto Frank Bauelemente GmbH)*

NOTICE Detailed descriptions of particular specimens are given in the cited test reports.

Wooden roof window type Q-4...P / QT4...P without ventilation flap

Design	Single-light wooden roof window, without ventilation flap and with additional gasket
Frame	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 37 x 117, profile no. 735667, side profile 37 x 117, profile no. 736701, bottom profile 37 x 86, profile no. 735681
Casement	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 43 x 114, profile no. 735751 + 735792, side profile 43 x 114, profile no. 735722, bottom profile 43 x 66, profile no. 735765
Other profiles	- The flashings are made by 0.7 mm and 0.5 mm aluminium *(supplier Roto Frank Bauelemente GmbH)* - The aluminium glazing bead / profile no. 736298 on the top and on the side, cutting 45° angle *(supplier Roto Frank Baulemente GmbH)* - Outside insulation profile EPP, on the side profile no. 735016 + 641967, on the top profile no. 735016 + 641967 and on the bottom profile no. 641967, cutting with 90° angle *(supplier Roto Frank Bauelemente GmbH)* - Inside insulation profile EPP, on the top – 735014 + 735013, on the side - 735013, on the bottom - 735015 *(supplier Roto Frank Bauelemente GmbH)*
Decompression and drainage of glazing joint	Open on the full length in the bottom of the glazing
Glazing	Glass type 2S and 2O (4 mm ESG/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2E (4 mm Float/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2C, 2G and 2P (4 mm ESG/ 16 mm spacer, Argon/ 6 mm VSG), Glass type 3C, 3O and 3R (4 mm ESG/ 12 mm spacer, Argon/ 4 mm ESG / 12 mm spacer, Argon/ 6 mm VSG), Glass type 3P (4 mm ESG/ 12 mm spacer, Krypton/ 4 mm ESG / 12 mm spacer, Krypton/ 6 mm VSG), Glass type 3A (8 mm VSG/ 8 mm spacer, Krypton/ 4 mm ESG / 8 mm spacer, Krypton/ 6 mm VSG) *(supplier Roto Frank Bauelemente GmbH)*
Gasket	- Between frame and casement there are two gaskets: on the top a seal TPE / profile no. 736309 and 736307; on the top side seal TPE / profile no. 736307 + 457501; on the bottom side seal TPE / profile no. 736308 + 457501; in the bottom of the casement a seal TPE / profile no. 736310 + 736308 *(supplier Roto Frank Bauelemente GmbH)*; - Between frame and flashing there is a EPDM gasket on the side profile no. 735018 *(supplier Roto Frank Bauelemente GmbH)*; - Glazing – outer: EPDM gasket / profile no. 279950; inside: EPDM gasket / profile no. 736311, on the bottom profile no. 736312 *(supplier Roto Frank Bauelemente GmbH)*
Hardware	Q-4:2 horizontal pivot hinges and a handle on the top of casement QT4:2 horizontal pivot hinges and a handle on the top of casement and motor *(supplier Roto Frank Bauelemente GmbH)*

NOTICE Detailed descriptions of particular specimens are given in the cited test reports.

Wooden roof window type Q-4...P / QT4...P with ventilation flap

Design	Single-light wooden roof window, with ventilation flap in the casement and with additional gasket
Frame	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 37 x 117, profile no. 735667, side profile 37 x 117, profile no. 736701, bottom profile 37 x 86, profile no. 735681
Casement	Multilayered pine wood profile *(supplier Roto Frank Bauelemente GmbH)* Top profile 43 x 114, profile no. 735751 + 735792, side profile 43 x 114, profile no. 735722, bottom profile 43 x 66, profile no. 735765
Other profiles	- The flashings are made by 0.7 mm and 0.5 mm aluminium *(supplier Roto Frank Bauelemente GmbH)* - The aluminium glazing bead / profile no. 736298 on the top and on the side, cutting 45° angle *(supplier Roto Frank Baulemente GmbH)* - Outside insulation profile EPP, on the side profile no. 735016 + 641967, on the top profile no. 735016 + 641967 and on the bottom profile no. 641967, cutting with 90° angle *(supplier Roto Frank Bauelemente GmbH)* - Inside insulation profile EPP, on the top – 735014 + 735013, on the side - 735013, on the bottom - 735015 *(supplier Roto Frank Bauelemente GmbH)* - On the top profile of the casement there is a ventilator / code no. 736031 *(supplier Roto Frank Bauelemente GmbH)*
Decompression and drainage of glazing joint	Open on the full length in the bottom of the glazing
Glazing	Glass type 2S and 2O (4 mm ESG/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2E (4 mm Float/ 16 mm spacer, Argon/ 4 mm Float), Glass type 2C, 2G and 2P (4 mm ESG/ 16 mm spacer, Argon/ 6 mm VSG), Glass type 3C, 3O and 3R (4 mm ESG/ 12 mm spacer, Argon/ 4 mm ESG / 12 mm spacer, Argon/ 6 mm VSG), Glass type 3P (4 mm ESG/ 12 mm spacer, Krypton/ 4 mm ESG / 12 mm spacer, Krypton/ 6 mm VSG), Glass type 3A (8 mm VSG/ 8 mm spacer, Krypton/ 4 mm ESG / 8 mm spacer, Krypton/ 6 mm VSG) *(supplier Roto Frank Bauelemente GmbH)*
Gasket	- Between frame and casement there are two gaskets: on the top a seal TPE / profile no. 736309 and 736307; on the top side seal TPE / profile no. 736307 + 457501; on the bottom side seal TPE / profile no. 736308 + 457501; in the bottom of the casement a seal TPE / profile no. 736310 + 736308 *(supplier Roto Frank Bauelemente GmbH)*; - Between frame and flashing there is a EPDM gasket on the side profile no. 735018 *(supplier Roto Frank Bauelemente GmbH)*; - Glazing – outer: EPDM gasket / profile no. 279950; inside: EPDM gasket / profile no. 736311, on the bottom profile no. 736312 *(supplier Roto Frank Bauelemente GmbH)*
Hardware	Q-4:2 horizontal pivot hinges and a handle on the top of casement QT4:2 horizontal pivot hinges and a handle on the top of casement and motor *(supplier Roto Frank Bauelemente GmbH)*

NOTICE Detailed descriptions of particular specimens are given in the cited test reports.

1.3 The intended use:

Roof window – a construction with a clear or transparent infill determined for installation to an inclined roof structures. It is determined for daily lighting, eventually for natural (direct) ventilation (infiltration) of building inner spaces. It fulfils the function of thermal insulation, acoustic insulation and protection against unfavourable climatic influences. Roof windows are designed to be built into roof slopes of one family houses with habitable loft spaces and other habitable loft spaces designed for permanent dwelling e.g. offices, hotels, schools. The roof windows can be built into roof slopes with pitches between 15° and 90°. Those windows are designed to be installed on battens or rafters. They are integrated with roofing by means of flashings.

Figure 1 – Drawing of wooden roof window, type Q-4…S / QT4…S without ventilation flap

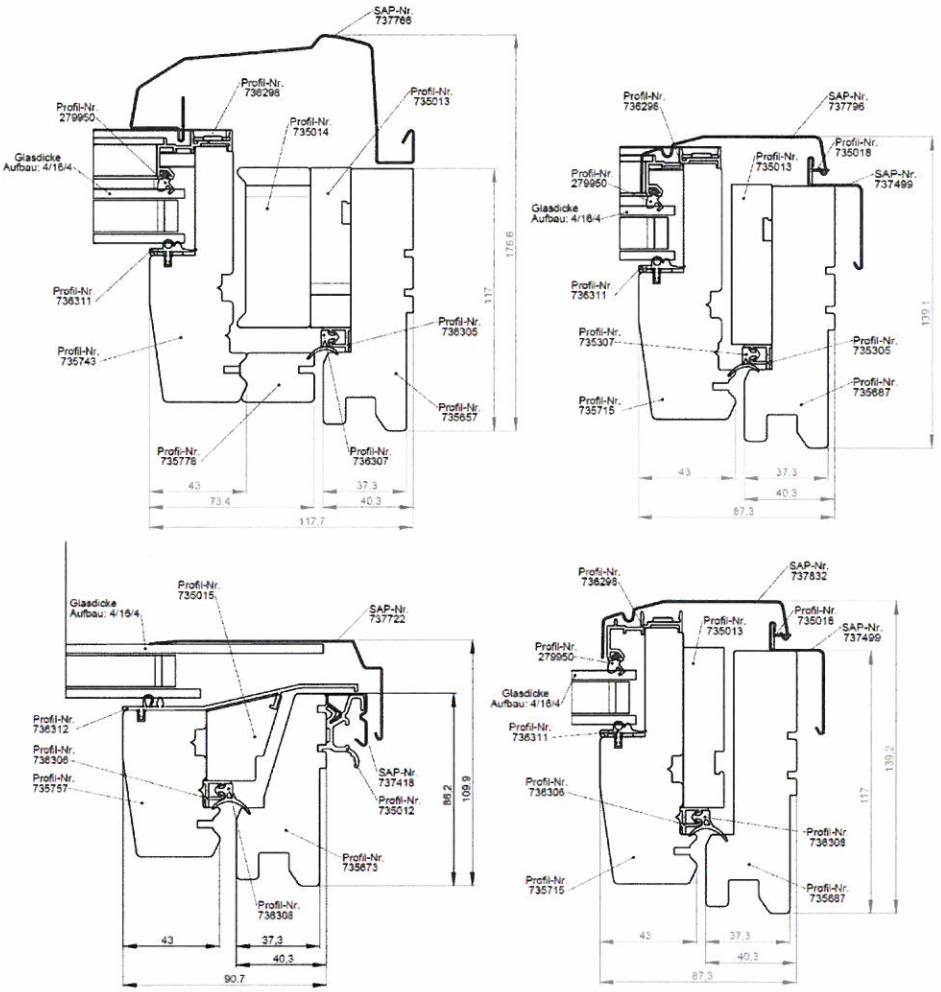
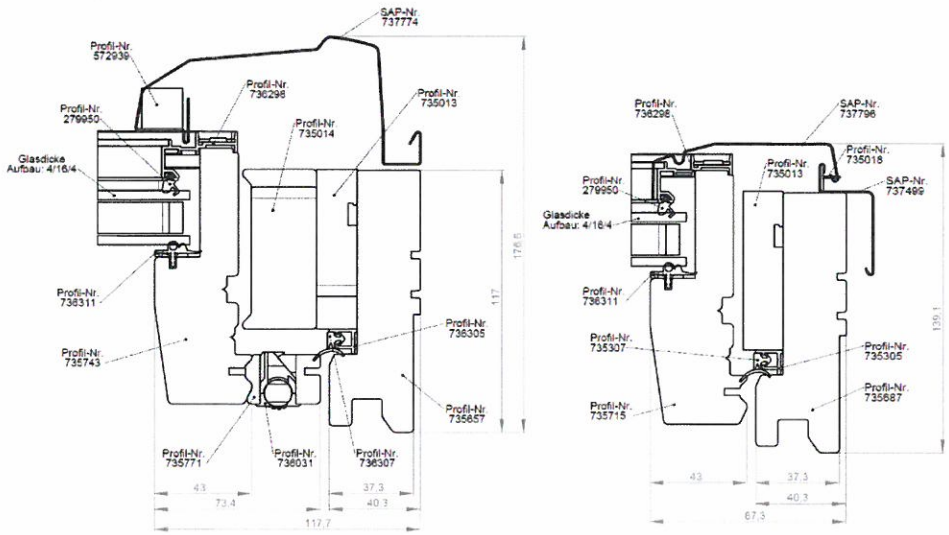


Figure 2 – Drawing of wooden roof window, type Q-4…S / QT4…S with ventilation flap



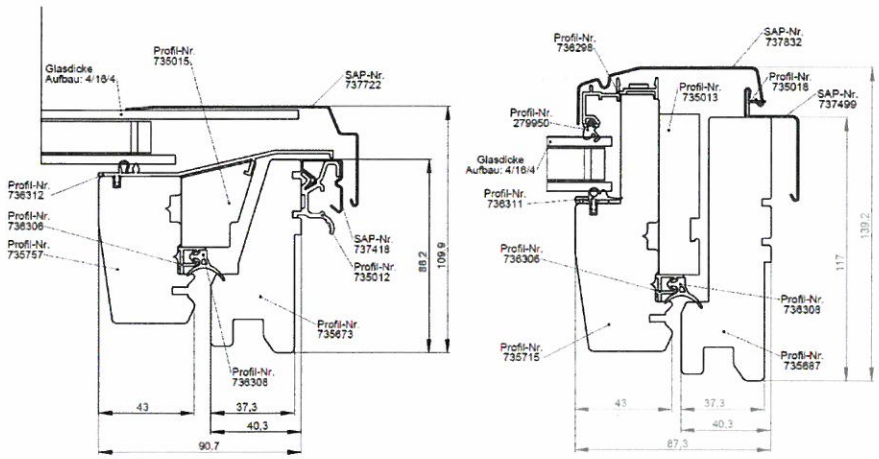


Figure 3 – Drawing of wooden roof window, type Q-4…P / QT4…P without ventilation flap

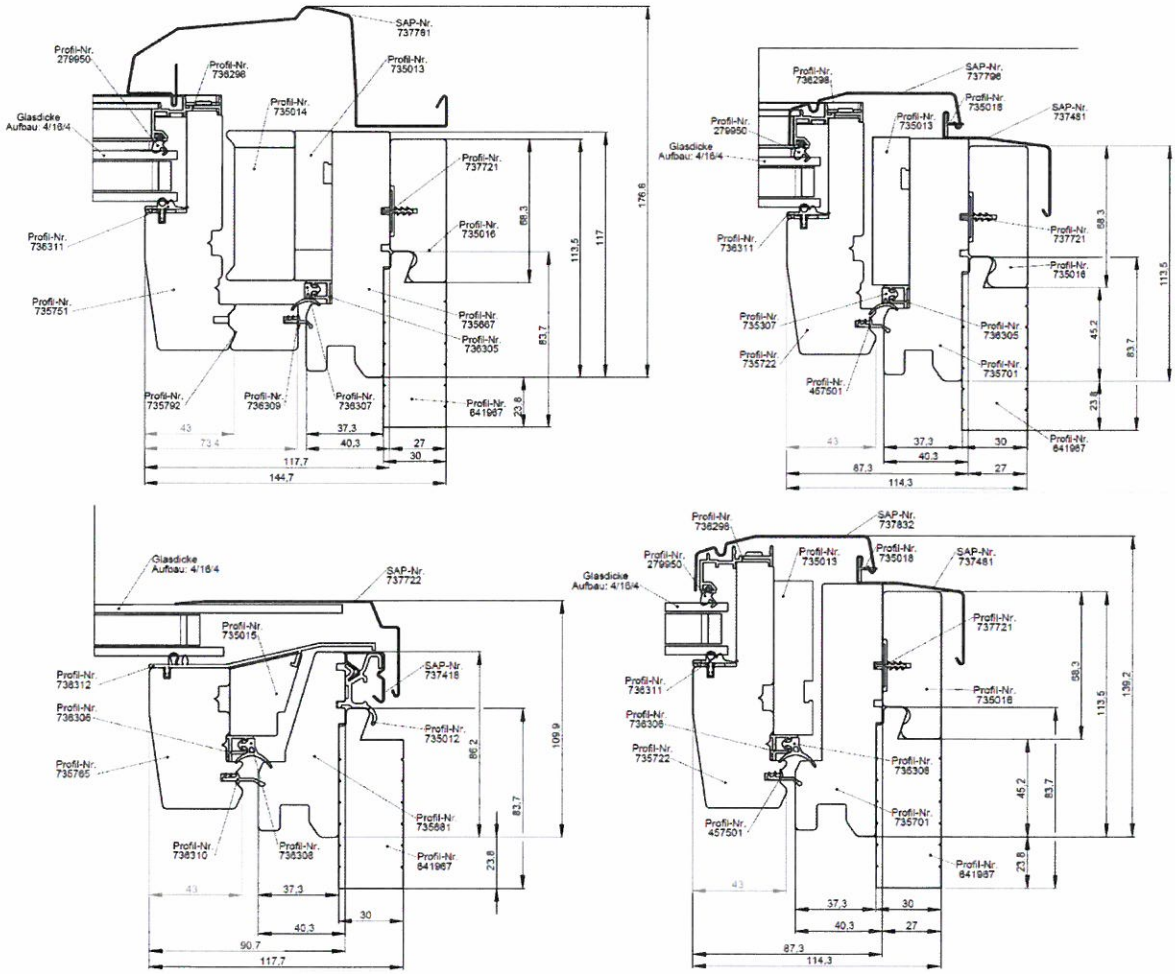
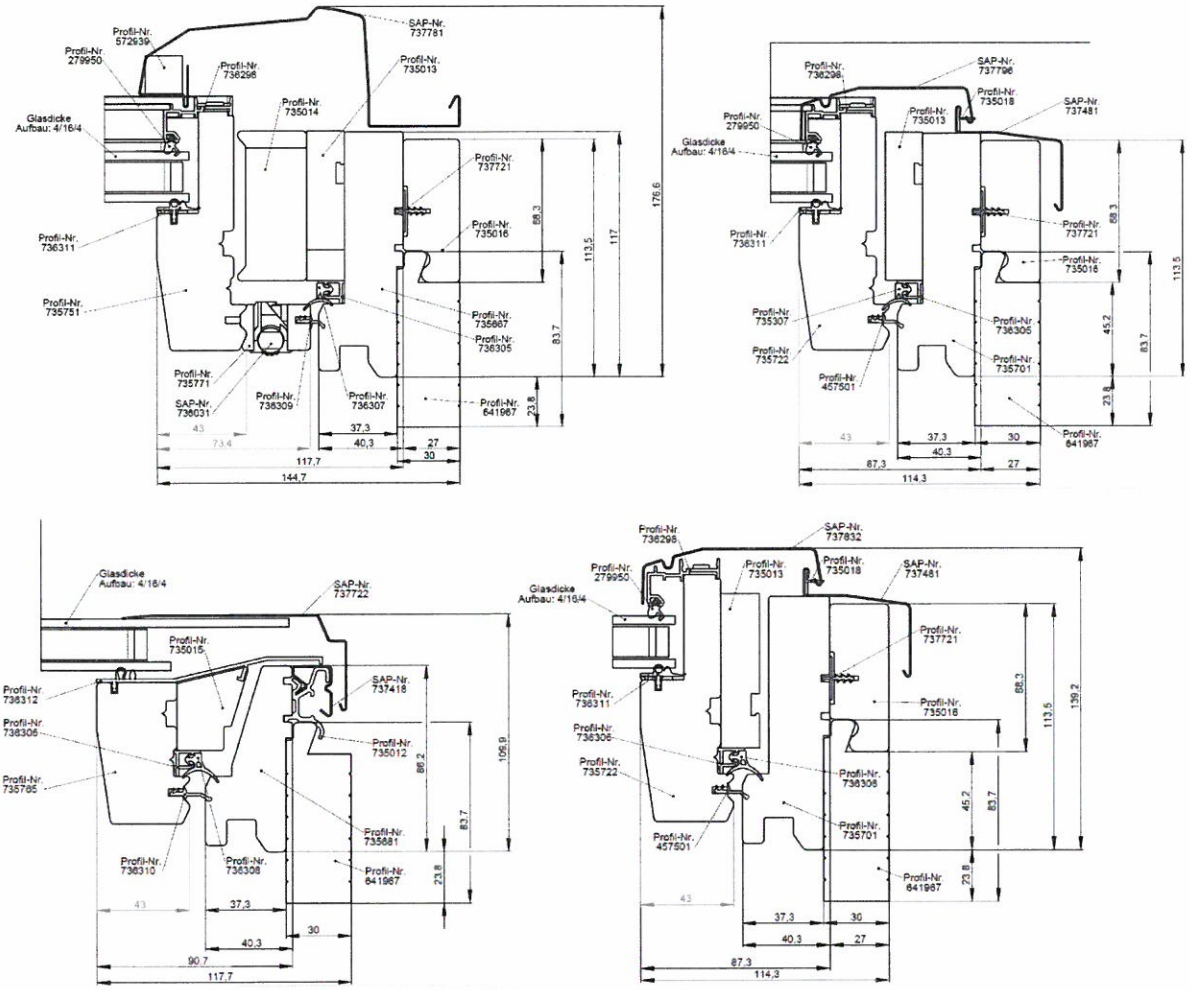


Figure 4 – Drawing of wooden roof window, type Q-4...P / QT4...P with ventilation flap



2 SAMPLING

Sampler: Roto Frank Bauelemente GmbH

The sample supplier: Roto Frank Bauelemente GmbH

Date of the sample supply to laboratory: data given in the cited test reports

Sample numbers: marking given in the cited test reports

3 TEST RESULTS

An assessment of the performance of the product have been carried out by Notified Body 1390 and Accredited Testing Laboratory ATL No. 1007.1 – Centrum stavebního inženýrství a.s. (Centre of Building Construction Engineering, Plc.), workplace in Zlín, K Cihelně 304, 764 32 Zlín, ATL ITB Warszawa, ATL PfB GmbH & Co and ATL **ift** Rosenheim. The test results are given in the Test Report No. SZ-18/14 rev. 1 issued by NB No. 1390 of 01.12.2014, in the Test Report No. SZ-19/14 rev. 1 issued by NB No. 1390 of 01.12.2014, in the Test Report No. SZ-20/14 rev. 1 issued by NB No. 1390 of 01.12.2014, in the Test Report No. SZ-21/14 rev. 1 issued by NB No. 1390 of 01.12.2014, in the Test Report No. SZ-22/14 rev. 1 issued by NB No. 1390 of 01.12.2014, in the Test Report No. SZ-23/14 rev. 1 issued by NB No. 1390 of 01.12.2014, in the Test Report No. SZ-24/14 rev. 1 issued by NB No. 1390 of 01.12.2014 (characteristic No. 1, 4, 9), in the Reaction to fire classification report No. 1056.2/14/Z00NP issued by ITB Warszawa of 26.08.2014 (characteristic No. 2), in the External exposure to fire classification report No. 1056.1/14/Z00NP issued by ITB Warszawa of 26.08.2014 (characteristic No. 3), in the Test Report No. SZ-41/14 issued by NB No. 1390 of 01.12.2014, in the Test Report No. SZ-42/14 issued by NB No. 1390 of 01.12.2014 (characteristic No. 5), in the Test Report No. SZ-28/14 issued by NB No. 1390 of 17.06.2014 (characteristic No. 6), in the Test Report No. 14/02-A066-B1 issued by PfB GmbH & Co, Stephanskircher of 28.05.2014 and in the Test Report No. 14/02-A066-B2 issued by PfB GmbH & Co, Stephanskircher of 03.06.2014, Test Report No. 15/01-A032-B1 issued by PfB GmbH & Co, Stephanskircher of 09.02.2015 (characteristic No. 8).

The summary of results is given in the following tables 1 – 4.

Table 1 – The summary of results of results of an assessment of the performance of the product – type Q-4...S / QT4...S without ventilation flap

	Characteristic	Testing or calculation standard	Classification standard	Measured values at specimen	
1	**Resistance to wind load**	EN 12211	EN 12210	Class C3	
2	**Reaction to fire**	EN 13823	EN 13501-1+A1	B	
3	**External fire performance**	ENV 1187	EN 13501-5+A1	$B_{roof, t1}$	
4	**Watertightness**	EN 1027	EN 12208	Class E1200	
5	**Impact resistance (external impact)**	EN 13049	EN 13049	Class 3 – 450 mm / Class 5 – 950 mm*	
6	**Load-bearing capacity of safety devices**	EN 14609	EN 14351-1+A1 art. 4.8	Pass	
7	**Acoustic performance** (according type of glazing)	EN ISO 10140-2 and EN ISO 717-1	Declared values	NPD	
8	**Thermal transmittance** (according type of glazing)	EN ISO 10077-2	Declared values	2C, 2E, 2G, 2O, 2P, 2S (U_g = 1.0)	1.2 W/(m^2.K)
				3C, 3O, 3R (U_g = 0.7)	1.0 W/(m^2.K)
				3P (U_g = 0.5)	0.85 W/(m^2.K)
9	**Air permeability**	EN 1026	EN 12207	Class 4	

* Second value is only for size 600 mm x 600 mm.

Table 2 – The summary of results of results of an assessment of the performance of the product – type Q-4...S / QT4...S with ventilation flap

	Characteristic	Testing or calculation standard	Classification standard	Measured values at specimen	
1	**Resistance to wind load**	EN 12211	EN 12210	Class C3	
2	**Reaction to fire**	EN 13823	EN 13501-1+A1	B	
3	**External fire performance**	ENV 1187	EN 13501-5+A1	$B_{roof, t1}$	
4	**Watertightness**	EN 1027	EN 12208	Class E1200	
5	**Impact resistance (external impact)**	EN 13049	EN 13049	Class 3 – 450 mm / Class 5 – 950 mm*	
6	**Load-bearing capacity of safety devices**	EN 14609	EN 14351-1+A1 art. 4.8	Pass	
7	**Acoustic performance** (according type of glazing)	EN ISO 10140-2 and EN ISO 717-1	Declared values	NPD	
8	**Thermal transmittance** (according type of glazing)	EN ISO 10077-2	Declared values	2C, 2E, 2G, 2O, 2P, 2S (U_g = 1.0)	1.2 W/(m^2.K)
				3C, 3O, 3R (U_g = 0.7)	1.0 W/(m^2.K)
				3P (U_g = 0.5)	0.86 W/(m^2.K)
9	**Air permeability**	EN 1026	EN 12207	Class 4	

* Second value is only for size 600 mm x 600 mm.

Table 3 – The summary of results of results of an assessment of the performance of the product – type Q-4...P / QT4...P without ventilation flap

	Characteristic	Testing or calculation standard	Classification standard	Measured values at specimen	
1	**Resistance to wind load**	EN 12211	EN 12210	Class C3	
2	**Reaction to fire**	EN 13823	EN 13501-1+A1	B	
3	**External fire performance**	ENV 1187	EN 13501-5+A1	$B_{roof, t1}$	
4	**Watertightness**	EN 1027	EN 12208	Class E1200	
5	**Impact resistance (external impact)**	EN 13049	EN 13049	Class 3 – 450 mm / Class 5 – 950 mm*	
6	**Load-bearing capacity of safety devices**	EN 14609	EN 14351-1+A1 art. 4.8	Pass	
7	**Acoustic performance** (according type of glazing)	EN ISO 10140-2 and EN ISO 717-1	Declared values	NPD	
8	**Thermal transmittance** (according type of glazing)	EN ISO 10077-2	Declared values	2C, 2E, 2G, 2O, 2P, 2S (U_g = 1.0)	1.1 W/(m^2.K)
				3A (U_g = 0.7)	0.93 W/(m^2.K)
				3C, 3O, 3R (U_g = 0.7)	0.91 W/(m^2.K)
				3P (U_g = 0.5)	0.78 W/(m^2.K)
9	**Air permeability**	EN 1026	EN 12207	Class 4	

* Second value is only for size 600 mm x 600 mm.

Table 4 – The summary of results of results of an assessment of the performance of the product – type Q-4...P / QT4...P with ventilation flap

	Characteristic	Testing or calculation standard	Classification standard	Measured values at specimen	
1	**Resistance to wind load**	EN 12211	EN 12210	Class C3	
2	**Reaction to fire**	EN 13823	EN 13501-1+A1	B	
3	**External fire performance**	ENV 1187	EN 13501-5+A1	$B_{roof, t1}$	
4	**Watertightness**	EN 1027	EN 12208	Class E1200	
5	**Impact resistance (external impact)**	EN 13049	EN 13049	Class 3 – 450 mm / Class 5 – 950 mm*	
6	**Load-bearing capacity of safety devices**	EN 14609	EN 14351-1+A1 art. 4.8	Pass	
7	**Acoustic performance** (according type of glazing)	EN ISO 10140-2 and EN ISO 717-1	Declared values	NPD	
8	**Thermal transmittance** (according type of glazing)	EN ISO 10077-2	Declared values	2C, 2E, 2G, 2O, 2P, 2S (U_g = 1.0)	1.1 W/(m^2.K)
				3C, 3O, 3R (U_g = 0.7)	0.92 W/(m^2.K)
				3P (U_g = 0.5)	0.78 W/(m^2.K)
9	**Air permeability**	EN 1026	EN 12207	Class 4	

* Second value is only for size 600 mm x 600 mm.

4 CONCLUSION

NB 1390 verifies conformity of the declared characteristics of the evaluated product with the results of tests of the product according to the used articles and Annex ZA EN 14351-1:2006+A1:2010.

5 VALIDITY OF REPORT ABOUT AN ASSESSMENT OF THE PERFORMANCE OF THE PRODUCT

Report about an assessment of the performance of the product is issued for definite specific constructional alternatives of the product arising during the production and assembly, provided the production processes and other productive technical documentations were complied with and under assumption that the quality of the production will be constant. This report is valid for the product made according to the given documentation. The report has unlimited time validity, more precisely, the report applies only to the time when a change occurs in some of the evaluated characteristics given by a change in documentation drawing for product construction, if there is a change of some of the used components in accordance with catalogues of suppliers, if the existing technical documentation validity is terminated, if there is a change of technologic process or material structure and up to the moment of the change of lawful requirements for product evaluation, or up to the moment when a further report updating the survey of the produced alternatives in accordance with newly expressed numerical values of relevant technical parameters and physical quantities is issued. This report shall not be reproduced except in full, without written approval of the NB 1390.

6 BASES UTILIZED FOR REPORT PREPARATION

1. Application for the execution of the Notified Body activity No. 0293/2014/Z;
2. Technical description of supplied specimens;
3. Drawings;
4. Installation instructions;
5. External exposure to fire classification report No. 1056.1/14/Z00NP issued by ITB Warszawa of 26.08.2014;
6. Reaction to fire classification report No. 1056.2/14/Z00NP issued by ITB Warszawa of 26.08.2014;
7. Test Report No. 14/02-A066-B1 issued by PfB GmbH & Co, Stephanskircher of 28.05.2014;
8. Test Report No. 14/02-A066-B2 issued by PfB GmbH & Co, Stephanskircher of 03.06.2014;
9. Test Report No. SZ-28/14 issued by NB No. 1390 of 17.06.2014;
10. Test Report No. SZ-18/14 rev. 1 issued by NB No. 1390 of 01.12.2014;
11. Test Report No. SZ-19/14 rev. 1 issued by NB No. 1390 of 01.12.2014;
12. Test Report No. SZ-20/14 rev. 1 issued by NB No. 1390 of 01.12.2014;
13. Test Report No. SZ-21/14 rev. 1 issued by NB No. 1390 of 01.12.2014;
14. Test Report No. SZ-22/14 rev. 1 issued by NB No. 1390 of 01.12.2014;
15. Test Report No. SZ-23/14 rev. 1 issued by NB No. 1390 of 01.12.2014;
16. Test Report No. SZ-24/14 rev. 1 issued by NB No. 1390 of 01.12.2014;
17. Test Report No. SZ-41/14 issued by NB No. 1390 of 01.12.2014;
18. Test Report No. SZ-42/14 issued by NB No. 1390 of 01.12.2014;
19. Test Report No. 15/01-A032-B1 issued by PfB GmbH & Co, Stephanskircher of 09.02.2015.