



DECLARATION OF PERFORMANCE No. 2/10/2015

1. Unique identification code of the product-type

EPS EN 13163-T2-L3-W2-S5-P10-BS250-CS(10)200-DS.(N)5-DS.(70)2-TR250-WL(T)1

2. Identification number

305/11/2/10/15

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification

In accordance with European Technical Approval ETA-07/0117 Permanent shuttering system

- Izodom 2000 Polska - based on shaped units made of hard EPS

4. Registered trade name and contact address

Elementy Ścienne Systemu Izodom EPS 200 – 032 - Neopor

(Wall Elements of the Izodom System EPS 200 – 032)

Izodom2000 Polska SP. z o.o., Zduńska Wola.

5. System of assessment and verification of constancy of performance of the construction product

System 2+ was used for the conformity assessment.

Declaration of the performance of the essential characteristics of the construction product was performed by the manufacturer on the basis of factory production control results and the tests by notified testing laboratories which carried out determination of the product-type. The levels and classes of performance related to the construction product under the EN 13163 harmonised standard were used for carrying out conformity assessment.

6. Notified bodies participating in the determination of the product-type

Instytut Techniki Budowlanej Zespół Laboratoriów Badawczych w Warszawie (Building Research Institute, Testing Laboratories in Warsaw), notification no. 1488 and Laboratorium Badawcze PCBC Gdańsk (Testing Laboratory of the Polish Centre of Testing and Certification in Gdańsk), notification no. 1396.

Test reports nos. as performed by the above notified bodies: 321/T/2013 and Izodom Laboratory No. 2/200/CZ/SC. Constancy of performance of the product is confirmed by audit tests carried out by the factory production control with the frequency specified in the EN 13163 specification standard.



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7. Declared performance

Essential characteristics for the intended use, for thermal insulation in construction	Declared performance, class or level	Test standard	Harmonised technical specification
Dimensional tolerance: thickness, length, width, squareness, flatness	T2 (± 2 mm) L3 (0.6%) W2 (± 2 mm) S5 (± 5 mm) P10 (± 10 mm)	EN 823 EN 822 EN 822 EN 824 EN 825	PN-EN 13163:2013-05E
Flexural strength	BS 250 ≥ 250 kPa	EN 12089	
Dimensional stability under fixed and standard lab conditions.	DS(N)5 $\pm 0.5\%$	EN 1603	
Dimensional stability at 70 °C for 48 h	DS(70,-)2 $\leq 2\%$	EN 1604	
Compressive stress at 10% deformation	CS(10)200 ≥ 200 kPa	EN 826	
Declared thermal conductivity coefficient λ_D *	0.032 W/(m K)	EN 12667	
Tensile strength	TR 250 ≥ 250 kPa	EN 1607	
Water absorption by total immersion	WL(T)1 1%	EN 12087	
Reaction-to-fire class	EUROCLASS E	EN 11925-2	
			PN-EN 13501-1:2007+A1:2009

*Converted into design conditions acc. to PN-EN ISO 10456; determined that the declared thermal conductivity coefficient is equal to the design thermal conductivity value.

8. Resistance to fire

- According to the guidelines in ETAG 009 for permanent shuttering systems, Annex C: "Resistance to fire", Table 1 "Minimum thickness of the concrete infill in the case of wall exposed on one side", continuous systems with MCF, MCFU and MCFU – St shuttering elements satisfy the criteria of load-bearing, tightness and fire insulation endurance – REI 120.
- According to the guidelines in ETAG 009 for permanent shuttering, Annex C "Resistance to fire", Table 2 "Grid and column type load bearing walls, minimum dimension of vertical columns", continuous systems with MC shuttering elements - satisfy the criteria of fire load-bearing – R30.

9. Summary

Product performance defined in items 1 and 3 complies with the performance declared in item 7.

Verified on: 20.10.1015.
On behalf of the manufacturer:

Dyrektor Produkcji
Production Manager

mgr inż. Marcin Marczykowski