



NATIONAL DECLARATION OF PERFORMANCE

No. 1/K/IV-XII/2023/P/23

1. Name and trade name of the construction product: **ATRIUM PROSTO LOFT STAIRS**
2. Designation of the construction product type¹⁾: **1/K/IV-XII/2023/PL/23**
3. Intended use or uses: *internal stairs for vertical circulation in single-family residential buildings and in farm developments and in two-level apartments in multi-family residential buildings, in rooms classified in accordance with the criteria given in the standard PN-EN 1991-1-1:2004+NA:2010 in use category A.*
4. Name and address of the manufacturer's registered office and production place of the product:
ATRIUM Sp. J. M.T. Piechowicz, ul. Konopnickiej 11, 41-100 Siemianowice Śląskie, Polska
5. Name and registered office address of the authorized representative, if appointed: **not applicable**
6. National system used for assessment and verification of constancy of performance: **2+**
7. National technical specification:

7a. Polish Product Standard: **not applicable**

Name of the accredited certification body, accreditation number and national certificate number or name of the accredited laboratory/laboratories and accreditation number ²⁾: **not applicable**

7b. National technical assessment: **ITB-KOT-2023/2359 04.2023**

Technical assessment body/National technical assessment body²⁾: **Building Research Institute**

Name of the accredited certification body, accreditation number and certificate number ²⁾: **Building Research Institute AC020, certificate no 020-UWB-1173/Z**

8. Declared performance: Essential characteristics of the construction product for the intended use or uses:

Functional loads. Functional loads of ATRIUM PROSTO LOFT stairs (characteristic values) are given in Table 1.

Table 1

Item	Essential Characteristics	Functional properties	Evaluation methods
1	2	3	4
1	Vertical load evenly distributed q , kN/m ²	2,0	PN-EN 1991-1-1:2004 + NA:2010
2	Vertical concentrated force Q , kN	2,0	
3	Horizontal load evenly distributed on the balustrade h , kN/m	0,2	



YEARS OF ATRIUM COMPANY

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Deflections. Deflections of ATRIUM PROSTO LOFT staircase elements under loads are given in Table 2.

Table 2

Item	Essential Characteristics	Functional properties	Evaluation methods
1	2	3	4
1	Stringer beam deflection under evenly distributed load, mm	$20,6 \leq l/200$ where: l – length of the stringer beam	PN-EN 1991-1-1:2004 +NA:2010
2	Deflection of a wooden step under concentrated load, mm	$5,71 \leq l/200$ where: l – step width	
3	Deflection of the balustrade post under the action of a horizontal force, mm	$7,33 \leq h/150$ where: h – height of the balustrade post	

Durability. Powder coating on steel elements of the ATRIUM PROSTO LOFT set, according to Table 3, ensures durability within the scope resulting from p. 2.

Table 3

Item	Essential Characteristics	Functional properties	Evaluation methods
1	2	3	4
1	Properties of powder coating:		
	– thickness, μm	≥ 60	PN-EN ISO 2808:2020
	– resistance to separation from the substrate, step	0	PN-EN ISO 2409:2021

9. The performance of the product specified above is consistent with all declared performance properties listed in point 8. This national declaration of performance is issued in accordance with the Act of 16 April 2004 on construction products, under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer by:
AGNIESZKA PIĘTA PROXY
(name and surname and position)

SIEMIANOWICE ŚLĄSKIE, 10.04.2023

ATRIUM Sp. j. M. T. Piechowicz
PROKURENT

Agnieszka Pięta

(signature)

1) In accordance with the national systems for assessing and verifying the constancy of performance specified in § 4 of the Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on the method of declaring the performance of construction products and the method of marking them with a construction mark (Journal of Laws, item 1966), the manufacturer specifies the type of construction product for which he prepares a national declaration of performance. The method of marking such a type of construction product in the national declaration of performance is determined by the manufacturer. This marking should be linked to the type of product, i.e. to the set of levels or classes of performance properties and the intended use of the product, specified in the national declaration. The marking should be unique in relation to the types of construction products manufactured by a given manufacturer.

2) Fill in if the certification body or laboratory/laboratories participated in the applied national system for assessment and verification of constancy of performance of the construction product.

3) In the event of application of the provisions of § 5 paragraph 1 points 1 and 2 and paragraph 2 of this Regulation, the third column should indicate which of the above provisions in relation to the essential characteristics of the product has been applied.