



The declaration of performance

No. 3/I-XII/2023/K/21

- **IDENTIFICATION CODE OF THE PRODUCT TYPE:** 3/I-XII/2023/K/AN/AP/AM/AA/21

- **INTENDED USE:**

Spiral stairs Atrium NOVO, Atrium PRIMO, Atrium MILLA, Atrium PRESTO, Atrium ALTO are intended for use as indoor stairs in buildings category A according to EN 1990.

Use conditions:

- air temperature between +5°C to +30°C
- relative air humidity from 30% to 70%;

Installation:

- installation only in the way as specified in the Manufacturer's Installation Guide
- installation of the timber components when moisture content of the timber components is $8 \pm 2\%$
- installation of the steps without significant defects and cracks
- installation of the steps without imposed deformations

- **MANUFACTURER:** ATRIUM SP. J. M. T. Piechowicz
ul. M. Konopnickiej 11
41-100 Siemianowice Śląskie

- **SYSTEMS OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE:** 2+

- **EUROPEAN ASSESSMENT DOCUMENT:** EAD 340006-00-0506
'Prefabricated stair kits'

- **EUROPEAN TECHNICAL ASSESSMENT:** ETA-18/0183 dated 23.04.2021

- **TECHNICAL ASSESSMENT BODY:** Instytut Techniki Budowlanej
(NANDOCPD no. 1488)

- **NOTIFIED BODY:** Instytut Techniki Budowlanej
(NANDOCPD no. 1488)

- **DECLARED PERFORMANCE:**



LOAD CAPACITY AND STABILITY (1)

Item	Basic requirements	Performance characteristics
1	Load-bearing capacity	Vertical variable uniformly distributed load: Diameter 120 cm: 3 kN/m ² Diameter 140 cm: 3 kN/m ² Diameter 160 cm: 3 kN/m ²
2	Prevention of progressive collapse	Failure of individual components of the stair does not lead to progressive collapse of the complete stair
3	Residual load-bearing capacity	Local material failure does not lead to an abrupt loss of load-bearing capacity of the steps
4	Long-term behavior	Load-bearing capacity are ensured under an appropriate use and maintenance over the indicated working life
5	Resistance to earthquakes	No performance assessed
6	Vibration behavior	The proper oscillation frequency: $f \geq 5.0$ Hz (inclusive a single load of 1 kN) The deflection under a single load $F = 1$ kN: $w \leq 5$ mm
7	Durability against physical, chemical and biological agents	Adequate resistance for the intended use under an appropriate use and maintenance

FIRE SAFETY (2)

Item	Basic requirements	Performance characteristics
1	Reaction to fire	The steel components: class A1 according to EN 13501-1 (without need for testing according to the Commission Decision 96/603/EC amended by the Commission Decision 2000/605/EC and 2003/424/EC) The steps made of solid wood: class D-s2, d0 according to EN 13501-1 (without need for testing according to the Commission Decision 2007/348/EC)
2	Fire resistance	No performance assessed

HYGIENE, HEALTH AND ENVIRONMENT (3)

The product does not contain harmful and dangerous substances defined in the EU database.



SAFTY IN USE (4)

Item	Basic requirements	Performance characteristics
1	Slipperiness	No performance assessed
2	Safety equipment	No performance assessed
3	Safe breakage of materials	No brittle failure of individual components
4	Impact resistance	No performance assessed

The performance of the products identified above is in accordance with the set of declared performance. This declaration of performance has been issued in accordance with Regulation (EU) no 305/2011 under the sole responsibility of the manufacturer identified above.

Signature on behalf of the manufacturer:

Tomasz Piechowicz
(signature)

Siemianowice Śląskie, dnia 02.01.2023 r.