



ATRIUM[®]
architektura wnętrza wyposażenie

www.atriumsystem.eu

ATRIUM Sp.j. M.T. Piechowicz 41-100 Siemianowice Śląskie, ul. Konopnickiej 11, T: +48 (032) 609 00 00, F: +48 (032) 609 19 00, E-mail: atrium@atriumsystem.eu,
konto: ING Bank Śląski o/Siemianowice Śląskie PL 34 1050 1357 1000 0010 0169 8669, NIP: 634-00-21-820, Nr KRS 0000096718, Sąd Rejonowy w Katowicach

schody stairs scale

The declaration of performance No. 1/I-XII/2023/K/10

- **IDENTIFICATION CODE OF THE PRODUCT TYPE:** 1/I-XII/2023/K/AS/ASP/ASHM/ASS/ASP1/10

- **INTENDED USE:**

Spiral stairs Atrium SYSTEM, Atrium SYSTEM PERFO, Atrium SYSTEM HEAVY METAL, Atrium SYSTEM SOLO and Atrium SYSTEM PINIO are intended for use as internal stairs in category A buildings according to EN 1990:2002.

Conditions of use: air temperature from +5°C to +30°C, relative air humidity from 30% to 70%;

Installation: only in the manner specified in the instructions prepared by the Manufacturer, assembly of wooden steps, which humidity is $8 \pm 2\%$, with no significant defects and cracks, without causing their deformation, replacing of the damaged stages during assembly

- **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:** ETAG 008 January 2002
(EAD 340006-00-0506)
- **EUROPEAN TECHNICAL ASSESSMENT:** ETA-09/0168 dated 27.02.2015
- **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 capacity and stability	The load and stability of the stairs is sufficient to transfer static loads. Characteristic values of the load capacity – vertical load evenly distributed 4 kN/m ²
2	Avoidance of a progressing disaster	Destruction of a single element of stairs does not lead to the progressing disaster of the whole stairs
3	Limiting of the extent of local damage	Local damage to the material does not lead to a sudden loss of load capacity of the steps
4	Behavior during the period of use	The correct installation, use and maintenance of stairs will ensure longer than indicated period of use
5	Earthquake resistance	Performance is not indicated
6	Dependence load – displacement and vibration	<p>The deflection under a concentrated load of 1.0 kN applied at the most unfavorable point does not exceed 5 mm except the Atrium SYSTEM with steps 730 mm long (for which it does not exceeds ≤ 6.5 mm) and Atrium SYSTEM PERFO (for which it does not exceeds ≤ 7 mm)</p> <p>Frequency of natural vibration and under a concentrated load of 1.0 kN applied at the most unfavorable point is greater than 5.0 Hz</p>
7	Strength of fitting	Performance is not marked; The stairs are fastened with ETA fittings

FIRE SAFETY (2)

Item	Basic requirements	Performance characteristics
1	Reaction to fire	<p>Steel components: classified as non-flammable and meeting the requirements of class A1 of reaction to fire according to EN 13501-1 (according to the Decision of the European Commission 96/603/EC, as amended by the European Commission Decision 2000 / 605EC and 2003/424 / EC);</p> <p>Steps made of solid wood: reaction class F (performance is not marked);</p>
2	Fire resistance	Performance is not marked



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	Slippery	Performance is not marked
2	Safety equipment	The balustrade consists of: handrails, posts and stales rods or steel cables. Assessment of the use of stairs by people with disabilities – performance is not marked
3	Safety in the event of a break	Due to the materials and structures used in the balustrade, the risk of break is excluded
4	Impact strength	Performance is not marked

BASIC ASPECTS OF DURABILITY AND PEROFRMANCE

Item	Basic requirements	Performance characteristics
1	Resistance to physical, chemical and biological factors	Stairs intended for use inside buildings of category A according to EN 1990:2002, at air temperature from +5°C to +30°C and relative air humidity from 30 to 70%, they will have adequate resistance to: physical, chemical, biological factors (fungi, bacteria, algae, insects)
2	Finishing and protective layers	Wooden elements (steps) are covered with lacquer on all sides, steel elements are protected with polyester or epoxy powder coatings

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.