





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

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# The declaration of performance No. 2/I-XII/2023/M/10

**IDENTYFICATION CODE OF THE PRODUCT TYPE:** 2/I-XII/2023/M/AS/AD/AM/AMP/10

### **INTENDED USE:**

Modular stairs Atrium SEGMENT, Atrium DIXI, Atrium MINI, Atrium MINI PLUS 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±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

SYSTES OF ASSESSMENT AND VERIFICATION **OF CONSTANCY OF PERFORMANCE:** 

2+

**EUROPEAN ASSESSMENT DOCUMENT:** ETAG 008 January 2002

(EAD 340006-00-0506)

ETA-10/0338 dated 09.12.2015 **EUROPEAN TECHNICAL ASSESSMENT:** 

**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         | The load and stability of the stairs is sufficient to    |
|      | stability                 | transfer static loads. Characteristic values of the      |
|      |                           | load capacity – vertical load evenly distributed 3       |
|      |                           | kN/m <sup>2</sup> (ATRIUM SEGMENT, MINI, MINI PLUS), for |
|      |                           | stairs ATRIUM DIXI 2,67 kN/m <sup>2</sup>                |
| 2    | Avoidance of a            | Destruction of a single element of stairs does not       |
|      | progressing disaster      | lead to the progressing disaster of the whole            |
|      |                           | stairs   |
| 3    | Limiting of the extent of | Local damage to the material does not lead to a          |
|      | local damage              | sudden loss of load capacity of the steps                |
| 4    | Behavior during the       | The correct installation, use and maintenance of         |
|      | period of use             | stairs will ensure longer than indicated period of       |
|      |                           | use  |
| 5    | Earthquake resistance     | Performance is not indicated                             |
|      |                           |  |
| 6    | Dependence load -         | The deflection under a concentrated load of 1.0          |
|      | displacement and          | kN applied at the most unfavorable point does not        |
|      | vibration                 | exceed 5 mm  |
|      |                           |  |
|      |                           | 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                 |
| 7    | Strength of fitting       | Performance is not marked; The stairs are                |
|      |                           | fastened with ETA fittings                               |

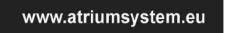
## FIRE SAFETY (2)

| Item | Basic requirements | Performance characteristics                   |
|------|--------------------|---|
| 1    | Reaction to fire   | 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);                               |
|      |                    |   |
|      |                    | Steps made of solid wood: reaction class F    |
|      |                    | (performance is not marked);                  |
| 2    | Fire resistance    | Performance is not indicated                  |









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### 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, steel cables (MINI, MINI Plus), handrails, posts and stainless bars (DIXI).  Assessment of the use of stairs by people with disabilities – performance is not marked |
| 3    | Safety in the event of a | Due to the materials and structures used in the  |
|      | break                    | 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,  | Stairs intended for use inside buildings of  |
|      | chemical and biological  | category A according to EN 1990:2002, at air   |
|      | factors                  | 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 | Wooden elements (steps) are covered with   |
|      | layers                   | 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.