



DECLARATION OF PERFORMANCE
No. S-15/2018-1

1. **Unique identification code of the product-type:** Category I Calcium Silicate hollow bricks **ARKO S**.
2. **Intended use/es:** unprotected masonry (U) to be used in the construction of interior and exterior walls and columns using general purpose mortar or lightweight mortar, in buildings built for various purposes.
3. **Manufacturer:** "Silikatas" AB, Savanorių pr. 124, Vilnius LT-03153, www.silikatas.lt, info@silikatas.lt, phone. +370 5 2311850.
4. **System of assessment and verification of consistency of performance:** 2+
5. **Harmonised standard:** LST EN 771-2:2011+A1:2015 „Specification for masonry units-Part 2:Calcium silicate masonry units”.
6. **Notified body:** the state enterprise "Statybos produkcijos sertifikavimo centras", Linkmenų g. 28, Vilnius, identification no. 1397 .

7. Declared performance:

| Essential Characteristics | Unit | Performance | Class (group) |
|--|-------------------|--|---------------|
| Dimensions: length, width, height | mm | 250 x 120 x 88 | |
| Dimensional Tolerances Category | mm | ±2 x ±2 x ±2 | T1 |
| Configuration group according to EC 6 | | | 1 |
| Compressive Strength: | | ⊥ to the bed surface of the intact product | |
| Mean | N/mm ² | ≥20,7 | |
| Normalized | N/mm ² | ≥15,0 | 15 |
| Shear bond strength, fixed value by LST EN 998-2 (annex C) | N/mm ² | 0,15 | |
| Reaction to fire | | | A1 |
| Water absorption | % | ≤16 | |
| Water vapour diffusion coefficient according to LST EN 1745 (annex A) | | 5/25 | |
| Direct airborne sound insulation: | | | |
| Gross dry density | kg/m ³ | 1510-1700 | |
| Percentage of void volume | % | 15 | |
| Total minimum thickness of shells and webs: | | | |
| Longitudinal, as a percentage of the product's length | % | 40 | |
| Transversal, as a percentage of the product's width | % | 58 | |
| Thermal conductivity λ _{10,dry,unit} according to LST EN 1745 (annex B) | W/mK | 0,70 | |
| Durability against freeze-thaw | Cycles | ≥ 50 | F2 |
| Dangerous substances | | None | |

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Vytautas Česnauskas, Director General

Vilnius, 2018-05-02