



**DECLARATION OF PERFORMANCE**  
**No. M10-10-II/2019-1**

1. **Unique identification code of the product-type:** Category II Calcium Silicate blocks **ARKO M-10**.
2. **Intended use/es:** unprotected masonry (U) to be used in the construction of self-supporting walls and dividing walls between rooms, with thin-layer mortar seams
3. **Manufacturer:** "Silikatas" AB, Savanorių pr. 124, Vilnius LT-03153, [www.silikatas.lt](http://www.silikatas.lt), [info@silikatas.lt](mailto:info@silikatas.lt), phone. +370 5 2311850.
4. **System of assessment and verification of consistency of performance:** 4
5. **Harmonised standard:** LST EN 771-2:2011+A1:2015 „Specification for masonry units-Part 2:Calcium silicate masonry units”.
6. **Declared performance:**

| Essential Characteristics  | Unit              | Performance                                      | Class (group) |
|--|-------------------|--|---------------|
| Dimensions: length, width, height  | mm                | 340 x 100 x 198                                  |               |
| Dimensional Tolerances Category  | mm                | $\pm 2 \times \pm 2 \times \pm 1$                | T2            |
| Configuration group according to EC 6<br>Product displayed perpendicularly lying on its bottom surface |                   |  | 1             |
| Compressive Strength:  |                   | $\perp$ to the bed surface of the intact product |               |
| Mean   | N/mm <sup>2</sup> | $\geq 9,33$                                      | 10            |
| Normalized   | N/mm <sup>2</sup> | $\geq 10,0$                                      |               |
| Shear bond strength, fixed value by LST EN 998-2 (annex C)   | N/mm <sup>2</sup> | 0,3  |               |
| Reaction to fire   |                   |  | A1            |
| Water absorption   | %                 | $\leq 18$  |               |
| Water vapour diffusion coefficient according to LST EN 1745 (annex A)                                  |                   | 5/10   |               |
| Direct airborne sound insulation:  |                   |  |               |
| Gross dry density  | kg/m <sup>3</sup> | 1310-1500  |               |
| Percentage of void volume  | %                 | 20   |               |
| Total minimum thickness of shells and webs:  |                   |  |               |
| Longitudinal, as a percentage of the product's length  | %                 | 28   |               |
| Transversal, as a percentage of the product's width  | %                 | 60   |               |
| Thermal conductivity $\lambda_{10,dry,unit}$ according to LST EN 1745 (annex B)                        | W/mK              | 0,68   |               |
| Durability against freeze-thaw   | Cycles            | NPD  |               |
| 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, General Manager

Vilnius, 2019-05-24