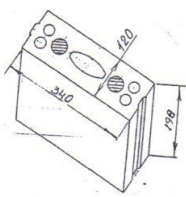




DECLARATION OF PERFORMANCE
No. M12-20/2018-1

1. **Unique identification code of the product-type:** Category I Calcium Silicate blocks **ARKO M-12**.
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, 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 .

8. Declared performance:

| Essential Characteristics | Unit | Performance | Class (group) |
|--|--|---|---------------|
| Dimensions: length, width, height | mm | 340 x 120 x 198 | |
| Dimensional Tolerances Category | mm | $\pm 2 \times \pm 2 \times \pm 1$ | T2 |
| Configuration group according to EC 6 Product displayed with its bed surface pointing up | |  | 1 |
| Compressive Strength: Mean Normalized | N/mm ² N/mm ² | ⊥ to the bed surface of the intact product ≥19,3 ≥20,0 | 20 |
| Shear bond strength, fixed value by LST EN 998-2 (annex C) | N/mm ² | 0,3 | |
| Reaction to fire | | | A1 |
| Water absorption | % | ≤18 | |
| Water vapour diffusion coefficient according to LST EN 1745 (annex A) | | 5/10 | |
| Direct airborne sound insulation: Gross dry density Percentage of void volume Total minimum thickness of shells and webs: Longitudinal, as a percentage of the product's length Transversal, as a percentage of the product's width | kg/m ³ % % % % | 1310-1500 20 27 54 | |
| Thermal conductivity $\lambda_{10,dry,unit}$ according to LST EN 1745 (annex B) | W/mK | 0,68 | |
| 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

