



DECLARATION OF PERFORMANCE
No. M10-7,5-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, 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 Product displayed perpendicularly lying on its bottom surface			1
Compressive Strength:		⊥ to the bed surface of the intact product	
Mean	N/mm ²	≥7,00	
Normalized	N/mm ²	≥7,5	7,5
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	kg/m ³	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


