



**DECLARATION OF PERFORMANCE**  
**No. M10-20/2020-1**

1. **Unique identification code of the product-type:** Category I Calcium Silicate blocks **ARKO M-10-20**.
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](tel:+37052311850).
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	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: Mean Normalized	N/mm <sup>2</sup> N/mm <sup>2</sup>	⊥ to the bed surface of the intact product ≥18,66 ≥20,0	20
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	%	≤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 <sup>3</sup> %	1310-1500 20	
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, General Manager

Vilnius, 2020-01-24



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