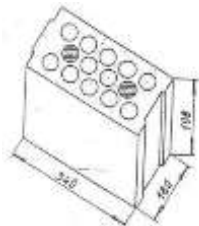




**DECLARATION OF PERFORMANCE**  
**No. M18-20/2018-1**

- 1. Unique identification code of the product-type:** Category I Calcium Silicate blocks **ARKO M-18-20**.  
**2. Intended use/es:** unprotected masonry (U) to be used in the construction of walls with thin-layer mortar seams, in industrial and multi-storey residential buildings.  
**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:** 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 180 x 198	
Dimensional Tolerances Category	mm	±2 x ±2 x ±1	T2
Configuration group according to EC 6 Product displayed with its bed surface pointing up			1
Compressive Strength: Mean Normalized	N/mm <sup>2</sup> N/mm <sup>2</sup>	⊥ to the bed surface of the intact product ≥21,2 ≥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> %	1210-1400 24	1,4
Thermal conductivity λ <sub>10,dry,unit</sub> 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

A handwritten signature in blue ink, appearing to read 'Vytautas Česnauskas', is positioned between the signature line and the date.

Vilnius, 2018-05-02