



**DECLARATION OF PERFORMANCE**  
**No. S-7,5/2018-1**

1. **Unique identification code of the product-type:** Category I Calcium Silicate hollow bricks **ARKO S**.
2. **Intended use/es:** unprotected masonry (U) to be used in the construction of interior and exterior walls and columns using general purpose mortar or lightweight mortar, in buildings built for various purposes.
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 .

**7. Declared performance:**

Essential Characteristics	Unit	Performance	Class (group)
Dimensions: length, width, height	mm	250 x 120 x 88	
Dimensional Tolerances Category	mm	±2 x ±2 x ±2	T1
Configuration group according to EC 6			1
Compressive Strength:		⊥ to the bed surface of the intact product	
Mean	N/mm <sup>2</sup>	≥10,3	
Normalized	N/mm <sup>2</sup>	≥7,5	7,5
Shear bond strength, fixed value by LST EN 998-2 (annex C)	N/mm <sup>2</sup>	0,15	
Reaction to fire			A1
Water absorption	%	≤16	
Water vapour diffusion coefficient according to LST EN 1745 (annex A)		5/25	
Direct airborne sound insulation:			
Gross dry density	kg/m <sup>3</sup>	1510-1700	
Percentage of void volume	%	15	
Total minimum thickness of shells and webs:			
Longitudinal, as a percentage of the product's length	%	40	
Transversal, as a percentage of the product's width	%	58	
Thermal conductivity λ <sub>10,dry,unit</sub> according to LST EN 1745 (annex B)	W/mK	0,70	
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