



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

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, 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 ²	≥27,5	
Normalized	N/mm ²	≥20,0	20
Shear bond strength, fixed value by LST EN 998-2 (annex C)	N/mm ²	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 ³	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 _{10,dry,unit} 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