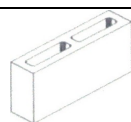


Declaration of Performance nr 201112-ARC090L

1. Identification of the construction product: **ARC090**
2. .Intended use or uses of the construction product: for use in various load-bearing and non-load bearing walls
3. Manufacturer: **Arc Stone OÜ, Sõreste küla, Kanepi vald, 63121 Põlvamaa**
6. System of assessment and verification of constancy of performance of the construction product: 2+
7. Harmonized standard: EVS-EN 771-3:2011+A1:2015
Surveillance and evaluation: Tallinna Sertifitseerimisasutus OÜ, NB 1504
9. Declarable performance:

Characteristics	Unit	Performance		Harmonized standard
Dimensions	mm	390/090/190		EN 771-3:2011+A1:2015
Tolerance class		D1		
Shape				
		2.group EVS-EN 1996-1-1		
Average compressive strength *	N/mm ²	Net surface	14,0	
	N/mm ²	Gross surface	9,1	
	N/mm ²	Normalized gross strength	12,2	
		Stone category	I category	
Dimensional stability	mm/m	0,76		
Water absorption rate	g/(m ² ·s)	5,5		
Fire sensitivity		A1		
Average dry density (gross)	kg/m ³	1480		
Frost resistance		do not leave exposed to external influences		
Content of dangerous substances		NPD		
Equivalent thermal conductivity	W/(m·K)	1,11		
Water vapor diffusion factor		5/15		
Adhesive strength	N/mm ²	0,15/0,30		EN 1745:2012
Sound reduction index**	dB	44/46		EN 998-2:2010
Fire resistance**	min	EL 45/60		EN 1996-1-2:2005/AC:2010

* compressive strength is determined perpendicular to the bedding surface, dried, surface is polished, cavities were not filled

** calculated (without filling / fully concreted) and fire resistance indicators are guaranteed if the blocks are laid with masonry mortar and vertical joints are tightly mortised.

The performance of the product identified previously is in conformity with the declared performance standard.

This declaration of performance is issued according to (EL) nr 305/2011 under the sole responsibility of the manufacturer identified previously.

Signed by and in the name of the manufacturer:

Martin-Jorgen Gahler, board member
Arc Stone OÜ, Sõreste 14.11.2023