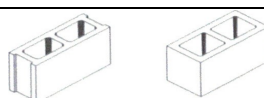


**Declaration of Performance nr 201112-ARC140L**

1. Identification of the construction product: **ARC140**
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                    | 390/140/190                                                                        |            | EN 771-3:2011+A1:2015    |
| Tolerance class                 |                       | D1                                                                                 |            |                          |
| Shape                           |                       |  |            |                          |
|                                 |                       | 2.group EVS-EN 1996-1-1                                                            |            |                          |
| Average compressive strength *  | N/mm <sup>2</sup>     | Net surface                                                                        | 14,0       |                          |
|                                 | N/mm <sup>2</sup>     | Gross surface                                                                      | 8,5        |                          |
|                                 | N/mm <sup>2</sup>     | Normalized gross strength                                                          | 10,5       |                          |
|                                 |                       | Stone category                                                                     | I category |                          |
| Dimensional stability           | mm/m                  | 0,76                                                                               |            |                          |
| Water absorption rate           | g/(m <sup>2</sup> ·s) | 5,5                                                                                |            |                          |
| Fire sensitivity                |                       | A1                                                                                 |            |                          |
| Average dry density (gross)     | kg/m <sup>3</sup>     | 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 <sup>2</sup>     | 0,15/0,30                                                                          |            | EN 1745:2012             |
| Sound reduction index**         | dB                    | 46/53                                                                              |            | EN 998-2:2010            |
| Fire resistance**               | min                   | REI 60 / 180                                                                       |            | 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