



## Declaration of Performance

Number: D500.2

1. Unique identification code of the product-type:  
**VIABLOKK D500**
2. Intended use: Load-bearing and non-load-bearing walls, partitions, facing walls
3. Manufacturer: Innoscitech Kft., 4110 Biharkeresztes, külterület hrsz. 0166/64.  
E-mail: info@innoscitech.hu
4. Place of manufacture: 4110 Biharkeresztes, külterület hrsz. 0166/64.
5. AVCP system: 2+ System
6. Harmonised standard: MSZ EN 771-4:2011+A1:2015  
Notified body: CEMKUT Kft., NB 1414/H-1034 Budapest, Bécsi út 122-124.  
EC-Factory Production Control Conformity Certificate number: 1414-CPR-T0411
7. Declared performance

| Essential characteristics                                                    |                                  | Performance                                                                                 |
|------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|
| Product type                                                                 |                                  | Masonry unit of category I                                                                  |
| Dimensions                                                                   | element length                   | 600 mm                                                                                      |
|                                                                              | element thickness                | 50-500 mm                                                                                   |
|                                                                              | element height                   | 200 mm                                                                                      |
| Dimensional tolerance                                                        |                                  | TLMB                                                                                        |
| Compressive strength (average)                                               |                                  | 3,5 N/mm <sup>2</sup>                                                                       |
| Dimensional stability (shrinkage) (ε <sub>cs,ref</sub> )                     |                                  | ≤0,2 mm/m                                                                                   |
| Bond strength                                                                |                                  | 0,3 N/mm <sup>2</sup> with thin-layer masonry mortar                                        |
|                                                                              |                                  | 0,15 N/mm <sup>2</sup> with thermal insulation masonry mortar                               |
| Reaction to fire                                                             |                                  | A1 Euroclass                                                                                |
| Water absorption                                                             |                                  | NPD*                                                                                        |
| Water vapour diffusion resistance factor (μ)                                 |                                  | 5/10 (Table value according to EN 1745)                                                     |
| Durability (frost resistance)                                                |                                  |                                                                                             |
| 50 cycles                                                                    | mass loss                        | ≤5 %                                                                                        |
|                                                                              | Decrease in compressive strength | ≤15 %                                                                                       |
| Gross dry density (average) (ρ)                                              |                                  | 500 kg/m <sup>3</sup>                                                                       |
| Form and shape                                                               |                                  | Solid, non-profiled (0), tongue-and-groove system (NF) and integrated gripping grooves (GT) |
| Total volume of gripping cavities (V), as a percentage of the element volume |                                  | 0-5 %                                                                                       |
| Thermal conductivity λ <sub>10</sub> , dry (φ= 50%)                          |                                  | 0,13 W/mK                                                                                   |
| Dangerous substances                                                         |                                  | NPD*                                                                                        |

\*NPD - no performance declared

8. The performance of the product identified above conforms to the declared performance.  
According to Regulation 305/2011/EU, the manufacturer identified above is solely responsible for issuing the declaration of performance.  
Signed on behalf of the manufacturer by: Levente Simon Managing Director.

Biharkeresztes, 2024.10.01.

 **INNOSCITECH KFT.**  
4110 Biharkeresztes  
külterület 0166/64 hrsz.  
Cégjegyzékszám: 09-09-036292  
Adószám: 23321489-2-09  
Managing Director