

# VITRABLOK, s. r. o.

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## DECLARATION OF PERFORMANCE

**Declaration number:** 35/08FE/4/16

**1. Unique identification code of the product-type:**

Welded glass block

**2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4):**

Azur 1919/8  
Blue 1919/8  
Brown 1919/8  
Green 1919/8  
Grey 1919/8  
Pink 1919/8  
Turquoise 1919/8

**3. Intended use or uses of the construction product, in accordance with applicable harmonized technical specification, as foreseen by the manufacturer:**

Use for building of non-bearing constructions.

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11 (5):**

Vitrablok, s. r. o.  
Bílinská 42  
Duchcov  
419 14  
Czech Republic

**5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):**

Petr Králík  
Plant manager  
Vitrablok, s. r. o.  
Bílinská 42  
Duchcov  
419 14  
Czech Republic

**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**

System 4

**7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:**

According to European commission for construction products No. 305/2011, Vitrablok, s. r. o. declares that the construction product is in conformity with standard stated by harmonized norm EN 1051-1:2003. The construction product is safe when used as stated in point 3.

The evaluation of conformity was performed according to EN 1051-2.

**8. Declared performance:**

| <i>Essential characteristic</i>              | <i>Performance</i>                   | <i>Harmonized technical specification</i> |
|--|--------------------------------------|---|
| Reaction on fire                             | A1                                   | EN 13501-1                                |
| Fire resistance class                        | E 60                                 | EN 13501-2<br>EN 1364-1                   |
| Bullet resistance                            | NPD                                  | EN 1063                                   |
| Explosion resistance                         | NPD                                  | EN 13541                                  |
| Burglar resistance                           | NPD                                  | EN 356                                    |
| Resistance to temperature differences        | 30 K                                 | EN 1051-2                                 |
| Mechanical resistance (compressive strength) | > 9 MPa                              | EN 1051-1                                 |
| Sound insulation                             | 37 dB                                | EN 140-3<br>EN 717-1                      |
| Thermal insulation (U)                       | 3.0 Wm <sup>-2</sup> K <sup>-1</sup> | EN 673                                    |
| Light transmission:                          |                                      | EN 410                                    |
| Azur 1919/8                                  | 75%                                  |   |
| sandblasted (one side)                       | 62%                                  |   |
| sandblasted (both sides)                     | 52%                                  |   |
| Blue 1919/8                                  | 26%                                  |   |
| sandblasted (one side)                       | 23%                                  |   |
| sandblasted (both sides)                     | 20%                                  |   |
| Brown 1919/8                                 | 58%                                  |   |
| sandblasted (one side)                       | 47%                                  |   |
| sandblasted (both sides)                     | 38%                                  |   |
| Green 1919/8                                 | 77%                                  |   |
| sandblasted (one side)                       | 63%                                  |   |
| sandblasted (both sides)                     | 51%                                  |   |
| Grey 1919/8                                  | 53%                                  |   |
| sandblasted (one side)                       | 43%                                  |   |
| sandblasted (both sides)                     | 35%                                  |   |
| Pink 1919/8                                  | 72%                                  |   |
| sandblasted (one side)                       | 61%                                  |   |
| sandblasted (both sides)                     | 52%                                  |   |
| Turquoise 1919/8                             | 65%                                  |   |
| sandblasted (one side)                       | 60%                                  |   |
| sandblasted (both sides)                     | 55%                                  |   |

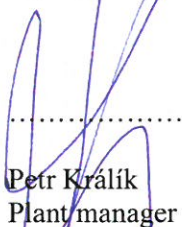
|                                   |        |        |
|-----------------------------------|--------|--------|
| Solar energy characteristics (g): |        | EN 410 |
| Azur 1919/8                       | 76%    |        |
| sandblasted (one side) *          | 64/73% |        |
| sandblasted (both sides)          | 62%    |        |
| Blue 1919/8                       | 65%    |        |
| sandblasted (one side) *          | 59/62% |        |
| sandblasted (both sides)          | 57%    |        |
| Brown 1919/8                      | 71%    |        |
| sandblasted (one side) *          | 63/68% |        |
| sandblasted (both sides)          | 61%    |        |
| Green 1919/8                      | 78%    |        |
| sandblasted (one side) *          | 68/75% |        |
| sandblasted (both sides)          | 65%    |        |
| Grey 1919/8                       | 69%    |        |
| sandblasted (one side) *          | 60/66% |        |
| sandblasted (both sides)          | 58%    |        |
| Pink 1919/8                       | 76%    |        |
| sandblasted (one side) *          | 68/73% |        |
| sandblasted (both sides)          | 66%    |        |
| Turquoise 1919/8                  | 75%    |        |
| sandblasted (one side) *          | 57/73% |        |
| sandblasted (both sides)          | 55%    |        |

\* First value is determined for radiation incidence onto non-sandblasted surface, second onto sandblasted one.

**9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8:**

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer:

  
 .....  
 Petr Králík  
 Plant manager

Duchcov (Czech Republic), 15<sup>th</sup> August 2016