VITRABLOK, s. r. o.

DECLARATION OF PERFORMANCE

Declaration number: 16/08ES/2/15

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

   Glued glass block

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

   Clear 1919/8 Energy Saving

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:

Essential characteristic	*Performance*	*Harmonized technical specification*
Reaction on fire	Euroclass A1	EN 13501-1
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 717-1 EN 140-3
Thermal insulation (U)	1.4 $Wm^{-2}K^{-1}$	EN 673
Light transmission: clear sandblasted (one side) sandblasted (both sides)	 69% 60% 53%	EN 410
Solar energy characteristics (g) **: clear sandblasted (one side) * sandblasted (both sides)	 56/52% 55/50% 51/47% 49/46%	EN 410

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

** First value is determined for radiation incidence onto surface with *low-e* coating, second onto surface without it.

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:

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Petr Králík
Plant manager

Duchcov (Czech Republic), 5st October 2015