

# DECLARATION OF PERFORMANCE

DoP Nr. 542 rev. 4

Type:

## HELUZ PLUS 38 grinded brick

1. Unique identification code of the product-type: **53385.00**

2. Intended use:

**for protected load-bearing, single-layer thermally insulated walls**

3. Manufacturer:

**HELUZ s.r.o.**

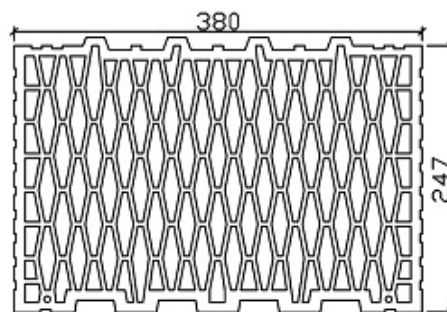
**U Cihelny 295, CZ 373 65 Dolní Bukovsko I : 28068262**

Factory: **Hevlín II.**

5. System of assessment and verification of constancy of performance of the construction product: **System 2+**

6a. Harmonised standard: EN 771-1:2011+A1:2015; Notified body/ies: 1020 TZÚS Praha, s.p.

7. Declared performance:



The drawing is indicative and may be modified slightly

Essential characteristic		Performance		Harmonized technical specification	
Compressive strength ( $\wedge$ bedface)*, Category I, P	mean normalized	10	N/mm <sup>2</sup>	EN 771-1:2011+A1:2015	
		14,4			
Dimensional stability	moisture movement	NPD	mm/m		
Active soluble salts content		NPD (S0)			
Reaction to fire		Euroclass A1			
Water absorption	Not to be left exposed!				
Direct airborne sound insulation	wall with the both side plaster	NPD	dB		
Gross dry density	category of tolerance D2	595	kg/m <sup>3</sup>		
Work dimensions	Length:	dimensional tolerance and range category Tm R2+	247		mm
	Width:		380		mm
	Height:		249	mm	
Flatness of bed faces		- 0,1	mm		
Plane parallelism of bed faces		0,2	mm		
Group of masonry units	vertically perforated element with a tongue and groove system, group 3 in accordance with EN 1996-1-1, see attached picture				
Bond strength (for elements intended for use in load-bearing structures)	determined value	0,3	N/mm <sup>2</sup>	EN 998-2:2016	
Water vapor permeability	Diffusion resistance factor	5/10		EN 1745:2012	

Essential characteristic		Performance		Harmonized technical specification
Thermal conductivity <small>10,dry, unit</small>	Method <b>P3</b>	<b>0,100</b>	W/mK	<b>EN 1745:2012</b>
Durability against freeze-thaw	Not to be left exposed!	<b>NPD (F0)</b>		<b>EN 771-1:2011+A1:2015</b>
Hazardous substances	Mass activity $^{226}\text{Ra} < 120 \text{ Bq.kg}^{-1}$			

\* Test according to EN 772-1, treating compressed areas according to article 7.2.4 and conditioning according to article 7.3.2. A single strength value is not less than 0.8 times of the declared compressive strength.  
\*\*  $T_m$ : At the calibrated bricks is the maximum height difference +/- 0.5 mm. The dimensional tolerance category of width and length is T2 +.

Next characteristics Acoustic brick

The minimum thickness of the face side shells is <b>NPD mm</b>	Minimum area for concrete infill canal is <b>- mm<sup>2</sup></b>
and of the perpend shell is <b>NPD mm</b>	and its smallest dimension is <b>- mm</b>
The minimum thickness of the webs is <b>NPD mm</b>	The average volume of the recess (mortar pockets) is <b>- ml</b>
Percentage of voids is <b>60 %</b>	Percentage of grip hole is <b>-%</b>

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:



Ing. Jan Smola  
Proxy holder