

DECLARATION OF PERFORMANCE

DoP Nr. 948 rev. 3

Type:

HELUZ FAMILY 50-K 2in1 grinded brick

1. Unique identification code of the product-type: **28507.15**

2. Intended use:

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

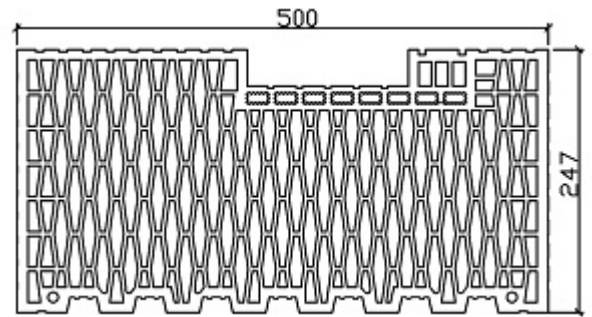
3. Manufacturer:

HELUZ cihlá ský pr mysl v.o.s. U Cihelny 295, CZ 373 65 Dolní Bukovsko I : 46680004
 Factory: **Hevlín**

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 ²	EN 771-1:2011+A1:2015
		11,5		
Dimensional stability	moisture movement	NPD	mm/m	
Active soluble salts content		NPD (S0)		
Reaction to fire				
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	650	kg/m ³	
Work dimensions	Length:	dimensional tolerance and range category	247	mm
	Width:		500	mm
	Height:	T1+ R1+	249	mm
Flatness of bed faces		- 0,2	mm	
Plane parallelism of bed faces		0,6	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 ²	EN 998-2:2016
Water vapor permeability	Diffusion resistance factor	9,71		EN ISO 12572:2016

Essential characteristic		Performance		Harmonized technical specification
Thermal conductivity <small>10,dry, unit</small>	Method NPD	NPD	W/mK	EN 1745:2012
Durability against freeze-thaw	Not to be left exposed!	NPD (F0)		EN 771-1:2011+A1:2015
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 NPD mm	Minimum area for concrete infill canal is - mm²
and of the perpend shell is NPD mm	and its smallest dimension is - mm
The minimum thickness of the webs is NPD mm	The average volume of the recess (mortar pockets) is - ml
Percentage of voids is NPD %	Percentage of grip hole is -%

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