

# DECLARATION OF PERFORMANCE

DoP Nr. 1045 rev. 0

Type:

## HELUZ PLUS 44-R

1. Unique identification code of the product-type: **23443.10**

2. Intended use:

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

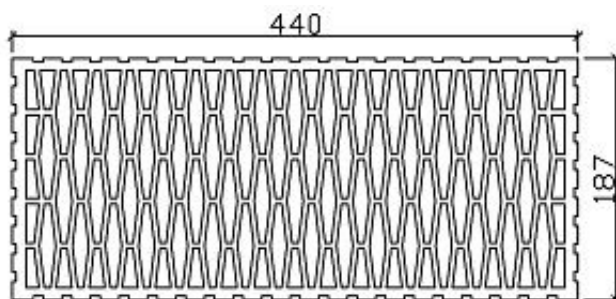
3. Manufacturer:

**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 ( bedface)*, Category I, P	mean normalized	10	N/mm <sup>2</sup>	EN 771-1:2011+A1:2015
		11,5		
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	670	kg/m <sup>3</sup>	
Work dimensions Length: Width: Height:	dimensional tolerance and range category  Tm R2+	187	mm	
		440	mm	
		238	mm	
Flatness of bed faces		NPD	mm	
Plane parallelism of bed faces		NPD	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	0,15	N/mm <sup>2</sup>	EN 998-2:2016
Water vapor permeability	Diffusion resistance factor	NPD		EN 1745:2012

Essential characteristic		Performance		Harmonized technical specification
Thermal conductivity <small>10,dry , unit</small>	Method	<b>NPD</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>54 %</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