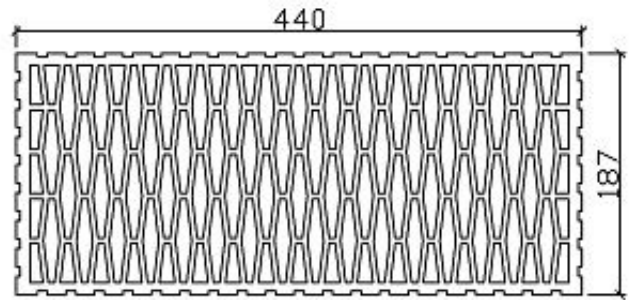


# DECLARATION OF PERFORMANCE

DoP Nr. 1044 rev. 3

## HELUZ PLUS 44-R grinded



1. Unique identification code of the product-type: 23448.10

2. Intended use:

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

The drawing is indicative and may be modified slightly

3. Manufacturer

HELUZ cihlářský průmysl a.s. , U Cihelny 295, CZ 373 65 Dolní Bukovsko IČ: 46680004  
Factory: Hevlín I.

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:

Essential characteristic		Performance		Harmonized technical specification
Work dimensions		Category of tolerance		<b>EN 771-1:2011+A1:2015</b>
Length:	187 mm	T2+	±3	
Width:	440 mm	T2+	±5	
Height:	249 mm	Tm 0,4	±0,4	
Flatness of bed faces				-0,1 mm
Plane parallelism of bed faces				0,4 mm
Compressive strength (⊥ bedface)*	Category I, P	mean normalized		10 N/mm <sup>2</sup> 11,5
Bond strength (for elements intended for use in load-bearing structures)	determined value			0,3 N/mm <sup>2</sup> <b>EN 998-2:2016</b>
Gross dry density				670 kg/m <sup>3</sup> <b>EN 771-1:2011+A1:2015</b>
Category of tolerance				D2
Dimensional stability	moisture movement			NPD mm/m
Active soluble salts content				<b>NPD (S0)</b>
Reaction to fire				<b>class A1</b>
Water absorption				<b>Not to be left exposed!</b>
Direct airborne sound insulation	wall with the both side plaster			NPD dB
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			

\* 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.

Essential characteristic		Performance	Harmonized technical specification
Water vapor permeability	Diffusion resistance factor	<b>5/10</b>	<b>EN 1745:2021</b>
Thermal conductivity $\lambda_{10,dry}$	Method <b>NPD</b>	<b>NPD</b> W/mK	<b>EN 1745:2021</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 Bq.Kg-1		

Next characteristics Acoustic brick

The minimum thickness of the face side shells is	<b>NPD</b>	mm
and of the perpend shell is	<b>NPD</b>	mm
The minimum thickness of the webs is	<b>NPD</b>	mm
Percentage of voids is	<b>54</b>	%
Minimum area for concrete infill canal is	<b>NPD</b>	mm <sup>2</sup>
and its smallest dimension	<b>NPD</b>	mm
The average volume of the recess (mortar pockets) is	<b>NPD</b>	ml
Percentage of grip hole is	<b>NPD</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

Signed for and on behalf of the manufacturer by:



Dolní Bukovsko 1.11.2023

Ing. Jan Smola, MBA  
Director and Member of the Administrative Board