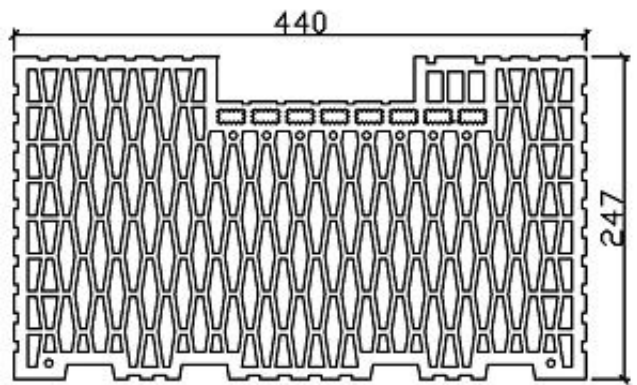


DECLARATION OF PERFORMANCE

DoP Nr. 1039 rev. 2

HELUZ PLUS 44-K



The drawing is indicative and may be modified slightly

1. Unique identification code of the product-type: 23442.10

2. Intended use:

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

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 | | Range category | |
| Length: | 247 mm | T2 | ±4 | R2 | 5 |
| Width: | 440 mm | T2 | ±5 | R2 | 6 |
| Height: | 238 mm | T2 | ±4 | R2 | 5 |
| Flatness of bed faces | | | | NPD | mm |
| Plane parallelism of bed faces | | | | NPD | mm |
| Compressive strength (⊥ bedface)* | Category I, P | mean normalized | | 10 11,5 | N/mm ² |
| Bond strength (for elements intended for use in load-bearing structures) | determined value | | | 0,15 | N/mm ² |
| Gross dry density | | | | 640 | kg/m ³ |
| Category of tolerance | | | | D2 | |
| Dimensional stability | moisture movement | | | NPD | mm/m |
| Active soluble salts content | | | | NPD (S0) | |
| Reaction to fire | | | | class A1 | |
| Water absorption | | | | Not to be left exposed! | |
| 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 | 5/10 | EN 1745:2021 |
| Thermal conductivity $\lambda_{10,dry}$ | Method NPD | NPD W/mK | NPD |
| Durability against freeze-thaw | Not to be left exposed! | NPD (F0) | EN 771-1:2011+A1:2015 |
| Hazardous substances | Mass activity ^{226}Ra <120 Bq.Kg-1 | | |

Next characteristics Acoustic brick

| | | |
|--|------------|-----------------|
| The minimum thickness of the face side shells is | NPD | mm |
| and of the perpend shell is | NPD | mm |
| The minimum thickness of the webs is | NPD | mm |
| Percentage of voids is | 58 | % |
| Minimum area for concrete infill canal is | NPD | mm ² |
| and its smallest dimension | NPD | mm |
| The average volume of the recess (mortar pockets) is | NPD | ml |
| Percentage of grip hole is | NPD | % |

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