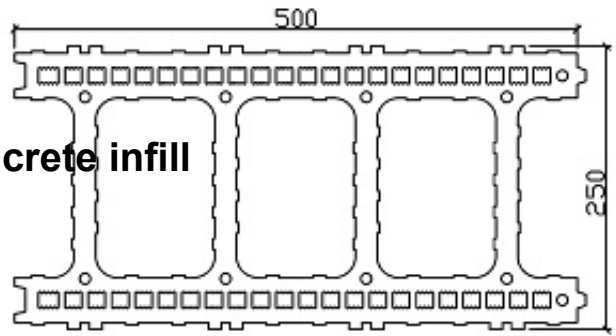


DECLARATION OF PERFORMANCE

DoP Nr. 964 rev. 6

HELUZ AKU 25 grinded clay block for concrete infill



The drawing is indicative and may be modified slightly

1. Unique identification code of the product-type: 21255.05

2. Intended use:

for protected load-bearing and non-load-bearing sound proof 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 | | EN 771-1:2011+A1:2015 |
| Length: | 497 mm | T2+ | ±6 | R2+ | 7 | |
| Width: | 250 mm | T2+ | ±4 | R2+ | 5 | |
| Height: | 249 mm | Tm 0,4 | ±0,4 | R2+ | 1 | |
| Flatness of bed faces | | | | -0,1 | mm | |
| Plane parallelism of bed faces | | | | 0,4 | mm | |
| Compressive strength (⊥ bedface)* | | Category I, P | mean normalized | 8 9,2 | N/mm ² | |
| Bond strength (for elements intended for use in load-bearing structures) | | determined value | | 0,3 | N/mm ² | EN 998-2:2016 |
| Gross dry density | | | | 510 | kg/m ³ | EN 771-1:2011+A1:2015 |
| 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 | | 57 (-2;-5) | 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 | 15/20 | NPD |
| Thermal conductivity $\lambda_{10,dry}$ | Method P4 | 0,562 W/mK | EN 1745:2021 |
| 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 | 12,6 | mm |
| and of the perpend shell is | 13,4 | mm |
| The minimum thickness of the webs is | 4,6 | mm |
| Percentage of voids is | 66 | % |
| Minimum area for concrete infill canal is | 16894 | mm ² |
| and its smallest dimension | 105 | 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