

DECLARATION OF PERFORMANCE

DoP Nr. 572 rev. 8

U bond beam block HELUZ U-36.5

1. Unique identification code of the product-type: 11360.00

2. Intended use:
for protected masonry

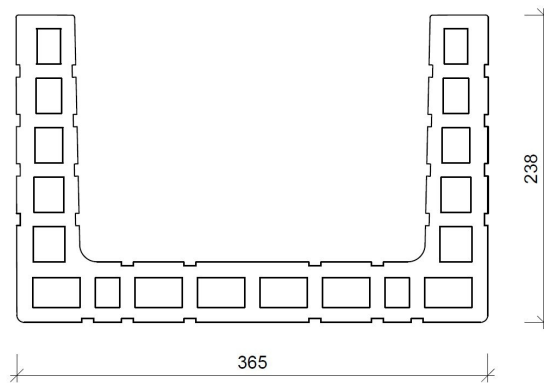
3. Manufacturer

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

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 | | |
|--|---|-----------------------|-----------------|------------------------------------|-------------------|------------------------------|
| Work dimensions | | Category of tolerance | | Range category | | EN 771-1:2011+A1:2015 |
| Length: | 240 mm | T2 | ±5 | R2 | 6 | |
| Width: | 365 mm | T2 | ±4 | R2 | 5 | |
| 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 | EN 998-2:2016 |
| Gross dry density | | | | 1120 | 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 | | | NPD | dB | |
| Group of masonry units | Vertically perforated element with a tongue and groove system, group 2 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 P4 | 0,762 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 | NPD | mm |
| and of the perpend shell is | NPD | mm |
| The minimum thickness of the webs is | NPD | mm |
| Percentage of voids is | 31 | % |
| 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 24. 6. 2024

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