

DECLARATION OF PERFORMANCE

DoP Nr. 897 rev. 3

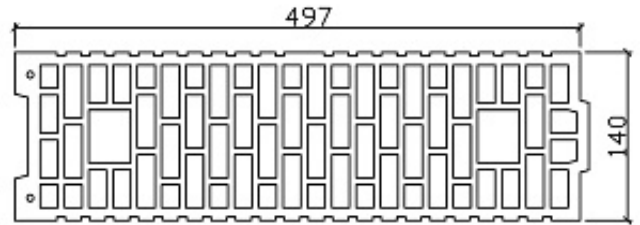
Type:

HELUZ 14 grinded brick

1. Unique identification code of the product-type: **22145.10**

2. Intended use:

for protected partition walls



The drawing is indicative and may be modified slightly

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:

| Essential characteristic | | Performance | | Harmonized technical specification | |
|--|---|---|-------------------|------------------------------------|----|
| Compressive strength (\wedge bedface)*, Category I, P | mean normalized | 10 | N/mm ² | 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 | 740 | kg/m ³ | | |
| Work dimensions | Length: | dimensional tolerance and range category Tm R2+ | 497 | | mm |
| | Width: | | 140 | | mm |
| | Height: | | 249 | mm | |
| Flatness of bed faces | | - 0,1 | mm | | |
| Plane parallelism of bed faces | | 0,4 | mm | | |
| 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 | | | | |
| Bond strength (for elements intended for use in load-bearing structures) | determined value | 0,3 | N/mm ² | EN 998-2:2016 | |
| Water vapor permeability | Diffusion resistance factor | 5/10 | | EN 1745:2012 | |

| Essential characteristic | | Performance | | Harmonized technical specification |
|--|---|-----------------|------|------------------------------------|
| Thermal conductivity <small>10,dry, unit</small> | Method P4 | 0,249 | W/mK | EN 1745:2012 |
| 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 | | | |

* 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 NPD mm | Minimum area for concrete infill canal is - mm² |
| and of the perpend shell is NPD mm | and its smallest dimension is - mm |
| The minimum thickness of the webs is NPD mm | The average volume of the recess (mortar pockets) is - ml |
| Percentage of voids is 51 % | Percentage of grip hole is -% |

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