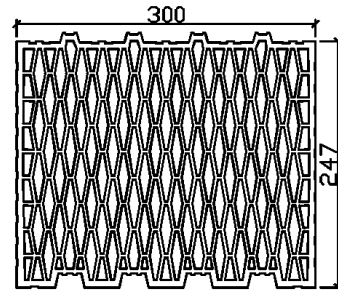


# DECLARATION OF PERFORMANCE

rev. 8

DoP Nr. 750

## HELUZ FAMILY 30 2in1 grinded



1. Unique identification code of the product-type: 58305.00

2. Intended use:

fired masonry element for protected load-bearing and non-load-bearing walls

3. Manufacturer

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

The drawing is indicative and may be modified slightly

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.

FPC certificate: 1020-CPR-060023866

7. Declared performance:

| Essential characteristic   |   | Performance           |                 | Harmonized technical specification |                   |                              |
|--|---|-----------------------|-----------------|------------------------------------|-------------------|------------------------------|
| Work dimensions  |   | Category of tolerance |                 | Range category                     |                   | <b>EN 771-1:2011+A1:2015</b> |
| Length:  | <b>247</b> mm   | <b>T2+</b>            | <b>±4</b>       | <b>R2+</b>                         | <b>5</b>          |                              |
| Width:   | <b>300</b> mm   | <b>T2+</b>            | <b>±4</b>       | <b>R2+</b>                         | <b>5</b>          |                              |
| Height:  | <b>249</b> mm   | <b>Tm 0,4</b>         | <b>±0,4</b>     | <b>R2+</b>                         | <b>1</b>          |                              |
| Flatness of bed faces  |   |                       |                 | <b>-0,1</b>                        | mm                |                              |
| Plane parallelism of bed faces   |   |                       |                 | <b>0,4</b>                         | mm                |                              |
| Compressive strength (⊥ bedface)*  |   | Category I, P         | mean normalized | <b>10</b><br><b>11,5</b>           | N/mm <sup>2</sup> |                              |
| Bond strength (for elements intended for use in load-bearing structures) | determined value  |                       |                 | <b>0,3</b>                         | N/mm <sup>2</sup> | <b>EN 998-2:2016</b>         |
| Gross dry density  |   |                       |                 | <b>680</b>                         | kg/m <sup>3</sup> | <b>EN 771-1:2011+A1:2015</b> |
| Category of tolerance  |   |                       |                 | <b>D2</b>                          |                   |                              |
| Dimensional stability  | moisture movement   |                       |                 | <b>NPD</b>                         | mm/m              |                              |
| Active soluble salts content   |   |                       |                 | <b>NPD (S0)</b>                    |                   |                              |
| Reaction to fire   |   |                       |                 | <b>class B-s1,d0</b>               |                   |                              |
| Water absorption   |   |                       |                 | <b>Not to be left exposed!</b>     |                   |                              |
| Direct airborne sound insulation   | wall with the both side plaster   |                       |                 | <b>NPD</b>                         | 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>9,7</b>        | <b>EN ISO 12572:2016</b>           |
| Thermal conductivity $\lambda_{10,dry}$ | Method <b>P5</b>                             | <b>0,077</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>NPD</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 20. 9. 2024

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