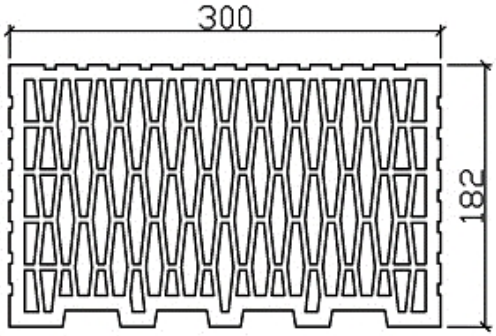
DECLARATION OF PERFORMANCE

DoP Nr. 896 rev. **5**

Type:

HELUZ FAMILY 30-R grinded brick



The grawing is indicative and may be modified slightly

1. Unique identification code of the product-type: ***27308.00***

2. Intended use:

for protected load-bearing and non-load-bearing walls

3. Manufacturer:

HELUZ cihlářský průmysl v.o.s. **U Cihelny 295, CZ 373 65 Dolní Bukovsko** **IČ: 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 (^ bedface)*, Category I, P		mean	**10**	N/mm²	**EN 771-1:2011+A1:2015**
		normalized	**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**	**660**	kg/m3	
Work dimensions	Length:	dimensional tolerance and range category **Tm** **R2+**	**182**	mm	
	Width:		**300**	mm	
	Height:		**249**	mm	
Flatness of bed faces			**- 0,2**	mm	
Plane parallelism of bed faces			**0,4**	mm	
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**			
Bond strength (for elements intended for use in load-bearing structures)		determined value	**0,3**	N/mm²	**EN 998-2:2016**
Water vapor permeability		Diffusion resistance factor	**5/10**		**EN 1745:2012**

Essential characteristic		Performance		Harmonized technical specification
Thermal conductivity $\lambda_{10,dry,unit}$	Method **NPD**	**NPD**	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 diference +/- 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** and of the perpend shell is **NPD mm**	Minimum area for concrete infill canal is **- mm2** 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 **56 %**	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

Dolní Bukovsko 12.05.2017