

DECLARATION OF PERFORMANCE

rev. 9

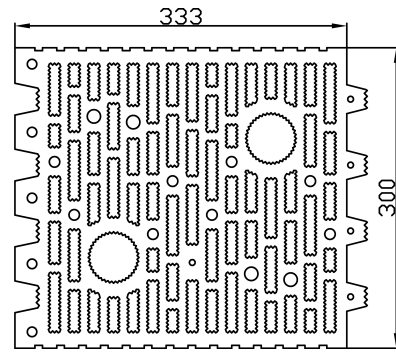
DoP Nr. 661

HELUZ AKU 30/33.3, P20

1. Unique identification code of the product-type: 21304.00

2. Intended use:

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



The drawing is indicative and may be modified slightly

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.

FPC certificate: 1020-CPR-060023866

7. Declared performance:

Essential characteristic		Performance		Harmonized technical specification		
Work dimensions		Category of tolerance		Range category		EN 771-1:2011+A1:2015
Length:	333 mm	T2	±5	R2	5	
Width:	300 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	20 22,8	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				980	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			56 (-2;-7)	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	NPD
Thermal conductivity $\lambda_{10,dry}$	Method P4	0,315 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	13,6	mm
and of the perpend shell is	12,2	mm
The minimum thickness of the webs is	9	mm
Percentage of voids is	39	%
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	4	%

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