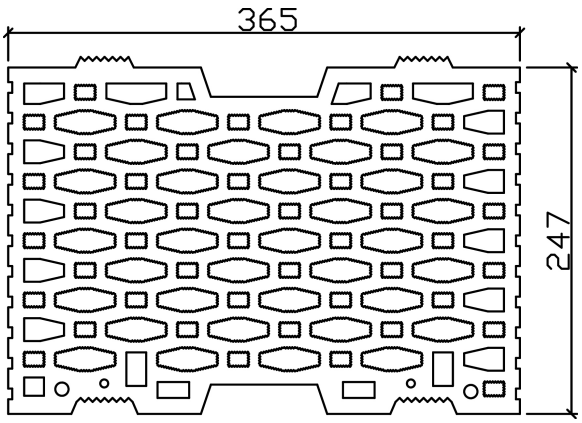
DECLARATION OF PERFORMANCE

rev. 9

DoP Nr. 820

HELUZ AKU 36,5 MK, P15



The grawing is indicative and may be modified slightly

1. Unique identification code of the product-type: 71361.10

2. Intended use:

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

3. Manufacturer

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

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-060023868

7. Declared performance:

Essential characteristic				Performance		Harmonized technical specification
Work dimensions		Category of tolerance		Range category		**EN 771-1:2011+A1:2015**
Length:	**247** mm	**T2**	**±4**	**R2**	**5**	
Width:	**365** mm	**T2**	**±5**	**R2**	**6**	
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	**15** **17,1**	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 Category of tolerance				**940** **D2**	kg/m3	**EN 771-1:2011+A1:2015**
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		**58 (-2;-6)**	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**	**0,297**	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 and of the perpend shell is	**11,6** **12,4**	mm mm
The minimum thickness of the webs is	**7**	mm
Percentage of voids is	**41**	%
Minimum area for concrete infill canal is and its smallest dimension	**NPD** **NPD**	mm^2 mm
The average volume of the recess (mortar pockets) is	**417**	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:

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

Dolní Bukovsko 20. 9. 2024