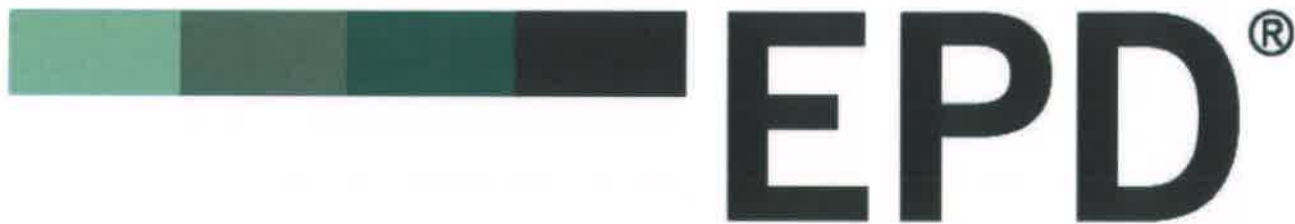


ENVIRONMENTAL  
PRODUCT DECLARATION

**HELUZ**

 **HELUZ**





## ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025:2006 and EN 15804 2012+A2:2019 for:  
Hollow bricks and brick products  
HELUZ cihlářský průmysl, v. o. s.

**Programme:** The International EPD® System [www.environdec.com](http://www.environdec.com)

**Programme operator:** The International EPD® System

**EPD registration number:** S-P-00750

**Approval date:** 01. 05. 2021

**Valid until:** 30. 04. 2026

**Revision date:**

**Geographical scope:** Europe



**Verified EPD by Independent Third Party Accredited Certification Body**  
**Building Research Institute - Certification Company Ltd.**  
Czech Republic, Prazska 810/16, 102 21 Praha 10 [info@vups.cz](mailto:info@vups.cz) [www.vups.cz](http://www.vups.cz)





*Dolní Bukovsko*

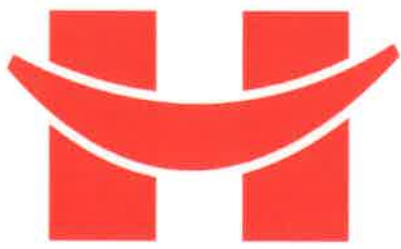


*Libochovice*



*Hevlín*





**HELUZ**



---

## COMPANY

---

The hollow bricks **HELUZ** is produced in HELUZ cihlářský průmysl v. o. s., 373 65 Dolní Bukovsko 295, Czech Republic. Registration No. / VAT No.: 466 80 004/ CZ46680004. The company is recorded in the Company Register kept by the Regional Court in České Budějovice, Section České Budějovice, File 1867. The record in the Company Register (22. 5. 1992) was ordered by the District Court in České Budějovice. Tel.: +420 389 018 111, fax: +420 386 354 309, <http://www.heluz.cz/>

The company of HELUZ cihlářský průmysl v. o. s. produces a complex range of brick products which can be further used for rough constructions. At current times, the company has its manufacturing facilities in three locations. There is a brick production plant in Dolní Bukovsko where the company's headquarter can be also find. This plant includes facilities for brick production, production of horizontal structures and production of roller blind lintels and chimney systems. In Hevlín, there are two production plants for complete range of brick products. Brick-kiln of Hevlín II is one of the most advanced manufacturing plants in Europe which is furnished with advanced technology; there are brick blocks which have the best thermal and insulation characteristics produced right here. In the brick-kiln of Libochovice, there is a production facility for brick blocks, accessories and also ceramic ceiling panels of HELUZ. The company of HELUZ cihlářský průmysl v. o. s. sell its goods to foreign markets too - Slovakia, Austria, Germany, Poland and Hungary and offer following categories of brick:

**HELUZ FAMILY** and **HELUZ FAMILY 2in1**: Unique news on Czech market used for passive and low-energy building without necessary thermal insulation. Passive and low-energy house.

**HELUZ STI**: Brick blocks of STI quality which comply with parameters of energy saving and low-energy buildings.

**HELUZ AKU**: Acoustic bricks for housing development.

**HELUZ PLUS**, **HELUZ P15** and **HELUZ** are brick blocks for internal and external masonry that will be additionally insulated.





---

## PRODUCT

---

Declared unit 1 000 kg of burnt bricks

UN CPC 3731: Bricks, blocks, tiles and other ceramic goods of siliceous earths

### Product description:

The hollow brick HELUZ is a brick for general masonry use it can be used for load bearing, non load bearing and acoustic masonry. Especially it can be used for one layer thermal insulated masonry, that reach U - value 0,15 W/m<sup>2</sup>K. This EPD covers all HELUZ brick production with the same composition. Differences are only in shape and volume of bricks. Material and energy consumption of production is only product weight depended. As this EPD is based on declaration unit which is 1000 kg of product, environmental data shown below are valid for all bricks.

This EPD is valid for in tables below summarized HELUZ bricks:



## Plants Hevín

Trademark	Type Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	U - Value	Recommended use
		cm	kg	kg	W/m <sup>2</sup> K	
<b>HELUZ Family 2in1</b>	calibrated	50	20,0	320	0,11	A, B, C
		44	17,9	286	0,13	A, B, C
		38	15,2	243	0,15	A, B, C
		30	12,5	200	0,23	A, B, C
		25	10,3	165	0,26	B, C
<b>HELUZ Family</b>	calibrated	50	19,7	315	0,14	A, B, C
		44	17,6	282	0,17	A, B, C
		38	15,0	240	0,20	A, B, C
		30	12,4	198	0,26	B, C
		25	10,1	162	0,30	B, C
<b>HELUZ STI</b>	calibrated	49	18,1	289	0,18	A, B, C
		44	15,7	251	0,198	A, B, C
		40	14,3	229	0,21	A, B, C
<b>HELUZ STI</b>		38	13,8	221	0,22	A, B, C
<b>HELUZ STI</b>		44	15,0	240	0,20	A, B, C

Expected service life time is 100 years.

U - Value - design value without plaster except of category of use A, there is a design value with thermal plaster

A - One layer thermal insulating masonry

B - Load bearing masonry

C - Non load bearing masonry

D - Acoustic masonry







Trademark	Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	U - Value	Recommended use
		cm	kg	kg	W/m <sup>2</sup> K	
HELUZ Plus	calibrated	44	16,2	259	0,20	A, B, C
		40	14,8	237	0,23	A, B, C
		38	13,9	222	0,23	A, B, C
		36,5	13,5	216	0,29	B, C
		30	13,1	210	0,51	B, C
		25	16	171	0,42	B, C
		44	15,6	250	0,21	A, B, C
HELUZ Plus		40	14,9	238	0,24	A, B, C
		38	13,3	213	0,24	B, C
		36,5	13,5	216	0,30	B, C
		30	12,5	200	0,57	B, C
		25	15,7	16822	0,48	B, C
HELUZ UNI	calibrated	30	13,1	210	0,49	B, C
		25	16,6	178	0,66	B, C
HELUZ UNI		30	12,5	200	0,56	B, C
		25	15,8	169	0,74	B, C
HELUZ P15	calibrated	30	12,9	206	0,48	B, C
		25	18,9	202	0,80	B, C
		20	17,9	143	1,11	B, C
HELUZ P15		30	12,3	197	0,55	B, C
		25	18,1	194	0,86	B, C
		20	17,1	137	1,17	B, C

Expected service life time is 100 years. -

U - Value - design value without plaster except of category of use A, there is a design value with thermal plaster

A - One layer thermal insulating masonry

B - Load bearing masonry

C - Non load bearing masonry

D - Acoustic masonry





Trademark	Type Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	U - Value	Recommended use
		cm	kg	kg	W/m <sup>2</sup> K	
HELUZ	calibrated	24	14,7	157	0,85	B, C
		20	16,3	130	0,90	B, C
		17,5	14,7	118	0,96	B, C
		14	12,8	102	1,19	C
		11,5	10,3	82	1,30	C
		10	10,0	80	1,55	C
		8	5,3	57	1,53	C
		24	14,8	158	0,91	B, C
HELUZ		20	15,6	125	0,96	B, C
		17,5	14,5	116	1,03	B, C
		14	12,3	98	1,25	C
		11,5	9,9	79	1,38	C
		10	9,5	76	1,45	C
		8	5,1	55	1,63	C

Expected service life time is 100 years.

U - Value - design value without plaster except of category of use A, there is a design value with thermal plaster

A - One layer thermal insulating masonry

B - Load bearing masonry

C - Non load bearing masonry

D - Acoustic masonry





Trademark	Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	SRI - R <sub>w</sub>	Recommended use
		cm	kg	kg	dB	
HELUZ AKU	30/333 MK	30	21,4	257	58	B, C, D
	30/333	30	23,3	280	56	B, C, D
	25 MK	25	20,4	218	56	B, C, D
	25	25	21,7	232	55	B, C, D
	20	20	18,2	195	53	B, C, D
	Z 17,5	17,5	16,5	177	51	B, C, D
	11,5	11,5	11,0	118	47	C, D

### Plants Libochovice

Trademark	Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	U - Value	Recommended use
		cm	kg	kg	W/m <sup>2</sup> K	
HELUZ Family	calibrated	44	18,2	291	0,16	A, B, C
		38	17,3	277	0,21	A, B, C
		30	13,3	213	0,25	B, C
		25	11,5	184	0,29	B, C
		49	19,4	310	0,17	A, B, C
HELUZ STI	calibrated	44	17,4	278	0,18	A, B, C
		40	16,4	262	0,20	A, B, C
HELUZ STI		44	17,6	282	0,20	A, B, C
		44	20	320	0,19	A, B, C
HELUZ Plus	calibrated	40	16,7	267	0,22	A, B, C
		38	15,9	254	0,3	B, C
		36,5	14,6	234	0,28	B, C
		30	13,2	211	0,58	B, C
		25	16,2	173	0,49	B, C
HELUZ Plus		44	19,1	306	0,20	A, B, C
		40	16	256	0,23	A, B, C
		38	15,2	243	0,3	B, C
		36,5	14,1	226	0,29	B, C
		30	12,8	192	0,66	
		25	15,7	168	0,50	

Expected service life time is 100 years.

U - Value - design value without plaster except of category of use A, there is a design value with thermal plaster

A - One layer thermal insulating masonry

B - Load bearing masonry

C - Non load bearing masonry

D - Acoustic masonry





Trademark	Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	U - Value	Recommended use
		cm	kg	kg	W/m <sup>2</sup> K	
HELUZ UNI	calibrated	30	13,7	219	0,53	B, C
		25	17,5	187	0,75	B, C
HELUZ UNI		30	13,1	210	0,51	B, C
		25	16,7	179	0,83	B, C
HELUZ P15	calibrated	30	15,1	242	0,48	B, C
		25	19,1	204	0,80	B, C
HELUZ P15		30	14,5	232	0,55	B, C
		25	18,3	196	0,86	B, C
		24	16,7	179	0,82	B, C
		20	17,1	137	0,92	B, C
HELUZ	calibrated	17,5	15,8	126	1,04	B, C
		14	11,4	91	1,20	C
		11,5	10,5	84	1,33	C
		8	5,5	59	1,56	C
		24	16,1	172	0,89	B, C
HELUZ		20	16,3	130	0,98	B, C
		17,5	15,3	122	1,12	B, C
		14	10,9	87	1,27	C
		11,5	10,1	81	1,41	C
		8	5,3	57	1,65	C
Trademark	Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	SRI - R <sub>w</sub>	Recommended use
		cm	kg	kg	dB	
HELUZ AKU	36,5 MK	36,5	19,1	306	58	B, C, D
	30/33,3 MK	30	21,5	258	58	B, C, D
	30/33,3	30	23,3	280	56	B, C, D
	25 MK	25	20,3	217	56	B, C, D
	20	20	18,2	195	53	B, C, D
	Z 17,5	17,5	17,3	185	51	B, C, D
	11,5	11,5	11,0	118	47	B, C, D

Expected service life time is 100 years.

U - Value - design value without plaster except of category of use A, there is a design value with thermal plaster

A - One layer thermal insulating masonry

B - Load bearing masonry

C - Non load bearing masonry

D - Acoustic masonry







## Plants Dolní Bukovsko

Trademark	Type	Width	Weight/ pcs	Weight/ m <sup>2</sup>	U - Value	Recommended use
		cm	kg	kg	W/m <sup>2</sup> K	
HELUZ Plus	calibrated	44	19,5	312	0,30	A, B, C
		40	16,6	266	0,34	A, B, C
		30	14,4	230	0,59	B, C
		25	16,2	173	0,67	B, C
HELUZ Plus		44	18,6	298	0,31	A, B, C
		40	15,8	253	0,33	A, B, C
		30	14,3	229	0,65	B, C
HELUZ UNI	calibrated	25	15,7	168	0,75	B, C
		30	14,9	238	0,57	B, C
		25	19,1	204	0,80	B, C
HELUZ UNI		30	14,3	229	0,64	B, C
		25	18,3	196	0,87	B, C
HELUZ P15	calibrated	30	16,1	258	0,58	B, C
		25	22,6	242	0,92	B, C
HELUZ P15		30	15,3	245	0,64	B, C
		25	21,6	231	0,96	B, C
		24	17,6	188	0,88	B, C
HELUZ	calibrated	20	18,6	149	0,97	B, C
		17,5	17,3	138	1,12	B, C
		14	13,0	104	1,26	C
		11,5	11,4	91	1,40	C
		8	6,0	64	1,63	C
		24	16,9	181	0,94	B, C
HELUZ		20	17,7	142	1,03	B, C
		17,5	15,8	126	1,18	B, C
		14	12,4	99	1,32	C
		11,5	10,9	87	1,47	C
		8	6,3	67	1,71	C

Expected service life time is 100 years.

U - Value - design value without plaster except of category of use A, there is a design value with thermal plaster

A - One layer thermal insulating masonry

B - Load bearing masonry

C - Non load bearing masonry

D - Acoustic masonry

