HOLCIM LITE

STONE WOOL

TECHNICAL DATA SHEET



HOLCIM LITE is a non-combustible, water-repellent insulation board made from high-quality rock wool. Engineered for lightweight building partitions that don't require mechanical load-bearing, it offers an ideal solution for modern construction needs. Perfect for both new builds and energy-efficient renovations of existing buildings, HOLCIM LITE combines safety, performance, and ease of installation.

APPLICATIONS

HOLCIM LITE boards are designed for use in:

- thermal and acoustic insulation of pitched roofs, attic ceilings, as well as walls and floors in lightweight frame systems
- filling of lightweight partitions where the wool does not bear external loads,
- the first (inner) layer of insulation in double-layer ventilated façade systems.

KEY PROPERTIES

- **Fire reaction: Class A1 –** non-combustible product
- **Hydrophobic** – the boards do not absorb water, maintaining their thermal insulation performance
- **Acoustic insulation** – the dense, resilient structure of rock wool effectively reduces airborne noise
- **Wide thickness range: 50–300 mm –** adaptable to various project requirements

HL/2025_07
Updated: 02.07.2025

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DECLARED PARAMETERS

TECHNICAL PARAMETER	SYMBOL	UNIT	VALUE	METHOD
Declared thermal conductivity	λ_D	W/mK	0,035	EN 12667, EN 12939
Thickness tolerance class	T	-	T2	EN 823
Dimensional stability under certain temperature and humidity conditions	DS(70,90)	%	≤1	EN 1604
Compressive stress at 10% deformation	CS(10)	kPa	≥ 0,5	EN 826
Tensile strength perpendicular to the faces	TR	kPa	NPD	EN 1607
Point load at 5 mm deformation	PL(5)	N	NPD	EN 12430
Air flow resistivity	AFr	kPa·s/m²	5	EN 9053-1
Short-term water absorption	WS	kg/m²	≤ 1	EN 29767
Long-term water absorption	WL(P)	kg/m²	≤ 3	EN 16535
Water vapor diffusion resistance coefficient	MU	-	MU1	EN 13162+A1
Reaction to fire	RtF	-	A1	EN 13501-1, EN 15715

NPD - No Performance Declared

DECLARED THERMAL REISTANCE

VALUE OF DECLARED THERMAL RESISTANCE R_D															
Thickness [mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
RD [m²K/W]	-	-	-	-	1,35	1,65	1,95	2,20	2,50	2,80	3,05	3,35	3,65	3,95	4,20
Thickness [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
RD [m²K/W]	4,50	4,80	5,05	5,35	5,65	5,95	6,20	6,50	6,80	7,05	7,35	7,65	7,95	8,20	8,50

STANDARD DIMENSIONS AND PACKAGING

FULL NAME AND DIMENSIONS	PALLET FORMAT	PALLET				PACK		
	mm	m³	m²	slab	pack	m³	m²	slab
HOLCIM LITE 1200×600×50 (12 slabs) H2,6	2400×1200×110	6,9120	138,24	192	16	0,4320	8,64	12
HOLCIM LITE 1200×600×60 (10 slabs) H2,6	2400×1200×110	6,9120	115,20	160	16	0,4320	7,20	10
HOLCIM LITE 1200×600×70 (8 slabs) H2,6	2400×1200×110	6,4512	92,16	128	16	0,4032	5,76	8
HOLCIM LITE 1200×600×80 (6 slabs) H2,6	2400×1200×110	6,9120	86,40	120	20	0,3456	4,32	6
HOLCIM LITE 1200×600×90 (6 slabs) H2,6	2400×1200×110	6,2208	69,12	96	16	0,3888	4,32	6

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FULL NAME AND DIMENSIONS	PALLET FORMAT	PALLET				PACK		
	mm	m^3	m^2	slab	pack	m^3	m^2	slab
HOLCIM LITE 1200×600×100 (6 slabs) H2,6	2400×1200×110	6,9120	69,12	96	16	0,4320	4,32	6
HOLCIM LITE 1200×600×110 (5 slabs) H2,6	2400×1200×110	6,3360	57,60	80	16	0,3960	3,60	5
HOLCIM LITE 1200×600×120 (5 slabs) H2,6	2400×1200×110	6,9120	57,60	80	16	0,4320	3,60	5
HOLCIM LITE 1200×600×130 (3 slabs) H2,6	2400×1200×110	6,7392	51,84	72	24	0,2808	2,16	3
HOLCIM LITE 1200×600×140 (4 slabs) H2,6	2400×1200×110	6,4512	46,08	64	16	0,4032	2,88	4
HOLCIM LITE 1200×600×150 (4 slabs) H2,6	2400×1200×110	6,9120	46,08	64	16	0,4320	2,88	4
HOLCIM LITE 1200×600×160 (3 slabs) H2,6	2400×1200×110	6,9120	43,20	60	20	0,3456	2,16	3
HOLCIM LITE 1200×600×170 (3 slabs) H2,6	2400×1200×110	5,8752	34,56	48	16	0,3672	2,16	3
HOLCIM LITE 1200×600×180 (3 slabs) H2,6	2400×1200×110	6,2208	34,56	48	16	0,3888	2,16	3
HOLCIM LITE 1200×600×190 (3 slabs) H2,6	2400×1200×110	6,5664	34,56	48	16	0,4104	2,16	3
HOLCIM LITE 1200×600×200 (3 slabs) H2,6	2400×1200×110	6,9120	34,56	48	16	0,4320	2,16	3
HOLCIM LITE 1200×600×210 (2 slabs) H2,6	2400×1200×110	6,0480	28,80	40	20	0,3024	1,44	2
HOLCIM LITE 1200×600×220 (2 slabs) H2,6	2400×1200×110	6,3360	28,80	40	20	0,3168	1,44	2
HOLCIM LITE 1200×600×230 (2 slabs) H2,6	2400×1200×110	6,6240	28,80	40	20	0,3312	1,44	2
HOLCIM LITE 1200×600×240 (2 slabs) H2,6	2400×1200×110	6,9120	28,80	40	20	0,3456	1,44	2
HOLCIM LITE 1200×600×250 (2 slabs) H2,6	2400×1200×110	7,2000	28,80	40	20	0,3600	1,44	2
HOLCIM LITE 1200×600×260 (2 slabs) H2,6	2400×1200×110	5,9904	23,04	32	16	0,3744	1,44	2
HOLCIM LITE 1200×600×270 (2 slabs) H2,6	2400×1200×110	6,2208	23,04	32	16	0,3888	1,44	2
HOLCIM LITE 1200×600×280 (2 slabs) H2,6	2400×1200×110	6,4512	23,04	32	16	0,4032	1,44	2
HOLCIM LITE 1200×600×290 (2 slabs) H2,6	2400×1200×110	6,6816	23,04	32	16	0,4176	1,44	2
HOLCIM LITE 1200×600×300 (2 slabs) H2,6	2400×1200×110	6,9120	23,04	32	16	0,4320	1,44	2

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DIMENSIONS

- Panel size: **1200×600 mm**
- Thickness range: **50–300 mm**

LOGISTICS, STORAGE, PACKAGING

- Packaging on PILLAR-type bases or wooden pallets
- Option to pack on high pallets **H2.6** (double the amount of product)
- Full truckload: **22 standard pallets / 11 high pallets marked H2.6** / double the product quantity compared to a standard pallet
- The product can be stored outdoors in its original, undamaged packaging, placed on stable and dry ground, protected against adverse weather conditions, and positioned on a stable and dry surface
- Maximum stacking height: **3 meters**

ADDITIONAL INDICATIONS ON THE LABEL

H2,6 - pallet with a height of about 2,6 m / twice the amount of the product compared to a standard pallet

(PILLAR) - product on a stone wool base instead of a wooden pallet

(X slabs) - number of slabs in the pack

DECLARATION OF PERFORMANCE NO: HP/GB/HL/2025_07
CERTIFICATE NUMBER: 1454-CPR - 0292
DESIGNATION CODE: MW-EN 13162-T2-DS(70,90)-CS(10)0,5-AFR5-WS-WL(P)-MU1

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