

HOLCIM ROOF TOP 60

STONE WOOL

TECHNICAL DATA SHEET



HOLCIM ROOF TOP 60 is a top layer thermal insulation board for flat roofs with higher mechanical performance requirements. The product is designed for buildings with increased foot traffic or rooftop technical equipment. It ensures effective thermal protection and long-lasting durability of the insulation system.

APPLICATIONS

- Flat roofs in multi-family residential, industrial, commercial, and public utility buildings
- Top layer in two-layer insulation systems with higher load-bearing requirements
- Roofs with technical traffic and increased load intensity
- Facilities requiring higher mechanical resistance of the insulation layer

KEY PROPERTIES

- **Compressive stress ≥ 60 kPa** for increased load-bearing capacity
- **Excellent thermal insulation** supporting the building's energy efficiency
- **Reaction to fire: Class A1 – non-combustible product**
- **Hydrophobic properties** – boards do not absorb water, maintaining thermal performance
- **Dimensional stability and resistance to deformation** – facilitates installation and long-term use
- **System compatibility with HOLCIM ROOF BASE** – reliable, easy, and safe design integration

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DECLARED PARAMETERS

PARAMETR	SYMBOL	JEDNOSTKA	WARTOŚĆ	METODA
Declared thermal conductivity	λ_D	W/mK	0,039	EN 12667, EN 12939
Thickness tolerance class	T	-	T5	EN 823
Dimensional stability under certain temperature and humidity conditions	DS(70,90)	%	≤ 1	EN 1604
Compressive stress at 10% deformation	CS(10)	kPa	≥ 60	EN 826
Tensile strength perpendicular to the faces	TR	kPa	≥ 15	EN 1607
Point load at 5 mm deformation <50 mm	PL(5)	N	≥ 500	EN 12430
Point load at 5 mm deformation ≥ 50 mm	PL(5)	N	≥ 700	EN 12430
Air flow resistivity	AFr	kPa·s/m ²	NPD	EN 9053-1
Short-term water absorption	WS	kg/m ²	≤ 1	EN 29767
Long-term water absorption	WL(P)	kg/m ²	≤ 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

STANDARD DIMENSIONS AND PACKAGING

FULL NAME AND DIMENSIONS		PALLET FORMAT	PALLET			
		mm	m ³	m ²	slab	pack
HOLCIM ROOF TOP 60	1200×2400×20	2400×1200×110	3,1104	155,52	54	0
HOLCIM ROOF TOP 60	1200×2400×30	2400×1200×110	3,4560	115,20	40	0
HOLCIM ROOF TOP 60	1200×2400×40	2400×1200×110	3,4560	86,40	30	0
HOLCIM ROOF TOP 60	1200×2400×50	2400×1200×110	3,4560	69,12	24	0
HOLCIM ROOF TOP 60	1200×2400×60	2400×1200×110	3,4560	57,60	20	0
HOLCIM ROOF TOP 60	1200×2400×70	2400×1200×110	3,2256	46,08	16	0
HOLCIM ROOF TOP 60	1200×2400×80	2400×1200×110	3,4560	43,20	15	0
HOLCIM ROOF TOP 60	1200×2400×90	2400×1200×110	3,1104	34,56	12	0
HOLCIM ROOF TOP 60	1200×2400×100	2400×1200×110	3,4560	34,56	12	0
HOLCIM ROOF TOP 60	1200×2400×110	2400×1200×110	3,1680	28,80	10	0
HOLCIM ROOF TOP 60	1200×2400×120	2400×1200×110	3,4560	28,80	10	0
HOLCIM ROOF TOP 60	1200×2400×130	2400×1200×110	2,9952	23,04	8	0
HOLCIM ROOF TOP 60	1200×2400×140	2400×1200×110	3,2256	23,04	8	0
HOLCIM ROOF TOP 60	1200×2400×150	2400×1200×110	3,4560	23,04	8	0
HOLCIM ROOF TOP 60	1200×2400×160	2400×1200×110	2,7648	17,28	6	0

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DECLARED THERMAL RESISTANCE

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 [m ² K/W]	-	0,50	0,75	1,00	1,25	1,50	1,75	2,05	2,30	2,55	2,80	3,05	3,30	3,55	3,80
Thickness [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
RD [m ² K/W]	4,10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DIMENSIONS

- Panel size: **2400×1200 mm**
- The ability to produce boards in the dimensions **1200×600 mm**, as well as boards with a thickness **greater than 600 mm**
- Thickness range: **20–160 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/FR/HRT60/2025_07

CERTIFICATE NUMBER: 1454-CPR - 0292

DESIGNATION CODE: MW-EN 13162-T5-DS(70,90)-CS(10)60-TR15-PL(5)500-WS-WL(P)-MU1
MW-EN 13162-T5-DS(70,90)-CS(10)60-TR15-PL(5)700-WS-WL(P)-MU1

MADE IN POLAND



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