

HOLCIM FACADE 34

STONE WOOL

TECHNICAL DATA SHEET



HOLCIM FACADE 34 is a premium product from the façade line, designed for buildings with the highest energy efficiency requirements. With an exceptionally low thermal conductivity of 0.034 W/mK, it delivers maximum thermal performance with minimal insulation thickness. At the same time, it retains all the key benefits of rock wool: non-combustibility, moisture resistance, vapor permeability, and long-term durability.

APPLICATIONS

- Passive and energy-efficient houses
- Buildings with enhanced thermal protection requirements
- ETICS systems in modern residential and commercial construction
- Projects requiring top-tier performance in a premium standard

KEY PROPERTIES

- λ_D : **0.034 W/mK** – the best available thermal insulation performance among Holcim rock wool products
- **Fire reaction: Class A1** – non-combustible product
- **Hydrophobic** – the boards do not absorb water, maintaining thermal insulation performance
- **Very high mechanical strength and dimensional stability**

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DECLARED PARAMETERS

PARAMETER	SYMBOL	UNIT	VALUE	METHOD
Declared thermal conductivity	λ_D	W/mK	0,034	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	≥ 20	EN 826
Tensile strength perpendicular to the faces	TR	kPa	≥ 10	EN 1607
Point load at 5 mm deformation	PL(5)	N	≥ 150	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

DECLARED THERMAL REISTANCE

VALUE OF DECLARED THERMAL RESISTANCE RD R ₀															
Thickness [mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
RD [m ² K/W]	-	-	-	-	1,40	1,70	2,0	2,30	2,55	2,85	3,15	3,45	3,75	4,05	4,35
Thickness [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
RD [m ² K/W]	4,65	4,95	5,20	5,50	5,80	6,10	6,40	6,70	7,00	7,30	-	-	-	-	-

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STANDARD DIMENSIONS AND PACKAGING

FULL NAME AND DIMENSIONS		PALLET FORMAT	PALLET				PACK		
		mm	m ³	m ²	slab	pack	m ³	m ²	slab
HOLCIM FACADE 34	1200×600×50	2400×1200×110	3,4560	69,12	96	16	0,2160	4,32	6
HOLCIM FACADE 34	1200×600×60	2400×1200×110	3,4560	57,60	80	16	0,2160	3,60	5
HOLCIM FACADE 34	1200×600×70	2400×1200×110	3,2256	46,08	64	16	0,2016	2,88	4
HOLCIM FACADE 34	1200×600×80	2400×1200×110	3,4560	43,20	60	20	0,1728	2,16	3
HOLCIM FACADE 34	1200×600×90	2400×1200×110	3,1104	34,56	48	16	0,1944	2,16	3
HOLCIM FACADE 34	1200×600×100	2400×1200×110	3,4560	34,56	48	16	0,2160	2,16	3
HOLCIM FACADE 34	1200×600×110	2400×1200×110	3,1680	28,80	40	20	0,1584	1,44	2
HOLCIM FACADE 34	1200×600×120	2400×1200×110	3,4560	28,80	40	20	0,1728	1,44	2
HOLCIM FACADE 34	1200×600×130	2400×1200×110	2,9952	23,04	32	16	0,1872	1,44	2
HOLCIM FACADE 34	1200×600×130	2400×1200×110	3,3696	25,92	36	12	0,2808	2,16	3
HOLCIM FACADE 34	1200×600×140	2400×1200×110	3,2256	23,04	32	16	0,2016	1,44	2
HOLCIM FACADE 34	1200×600×150	2400×1200×110	3,4560	23,04	32	16	0,2160	1,44	2
HOLCIM FACADE 34	1200×600×160	2400×1200×110	2,7648	17,28	24	12	0,2304	1,44	2
HOLCIM FACADE 34	1200×600×170	2400×1200×110	2,9376	17,28	24	12	0,2448	1,44	2
HOLCIM FACADE 34	1200×600×180	2400×1200×110	3,1104	17,28	24	12	0,2592	1,44	2
HOLCIM FACADE 34	1200×600×190	2400×1200×110	3,2832	17,28	24	12	0,2736	1,44	2
HOLCIM FACADE 34	1200×600×200	2400×1200×110	3,4560	17,28	24	12	0,2880	1,44	2
HOLCIM FACADE 34	1200×600×210	2400×1200×110	3,0240	14,40	20	20	0,1512	0,72	1
HOLCIM FACADE 34	1200×600×220	2400×1200×110	3,1680	14,40	20	20	0,1584	0,72	1
HOLCIM FACADE 34	1200×600×230	2400×1200×110	3,3120	14,40	20	20	0,1656	0,72	1
HOLCIM FACADE 34	1200×600×240	2400×1200×110	3,4560	14,40	20	20	0,1728	0,72	1
HOLCIM FACADE 34	1200×600×250	2400×1200×110	2,8800	11,52	16	16	0,1800	0,72	1

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DIMENSIONS

- Panel size: **1200×600 mm**
- The ability to produce boards in the dimensions **1200×500 mm**
- Thickness range: **50–250 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/ETICS/HF34/2025_07

CERTIFICATE NUMBER: 1454-CPR - 0292

DESIGNATION CODE: MW-EN 13162-T5-DS(70,90)-CS(10)20-TR10-PL(5)150-WS-WL(P)-MU1

MADE IN POLAND



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