



BOERNER BASE 30

STONE WOOL

PRODUCT DESCRIPTION

BOERNER BASE 30 are non-combustible, hydrophobic thermal and sound insulation boards with a disturbed fiber arrangement, made of stone wool.

APPLICATION

Thermal, acoustic and non-combustible insulation in industrial and civil construction. Intended for use in building structures as a base layer for a two-layer roof thermal insulation system in combination with BOERNER TOP slabs.



THICKNESS RANGE 50 - 200 [mm]

DECLARED PARAMETERS

Parameter	Symbol	Unit	Value	Method
Declared thermal conductivity	λ_D	W/mK	0,036	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	≥ 30	EN 826
Tensile strength perpendicular to the faces	TR	kPa	$\geq 7,5$	EN 1607
Point load at 5 mm deformation	PL(5)	N	≥ 250	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 R_D																
Thickness [mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	
R_D [m ² K/W]	-	-	-	-	1,35	1,65	1,90	2,20	2,50	2,75	3,05	3,30	3,60	3,85	4,15	
Thickness [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	
R_D [m ² K/W]	4,40	4,70	5,00	5,25	5,55	-	-	-	-	-	-	-	-	-	-	



**STANDARD DIMENSIONS AND PACKAGING**

Code	Full name and dimensions	Pallet format	Pallet				Pack		
		mm	m ³	m ²	slab	pack	m ³	m ²	slab
BR700473	BOERNER BASE 30 1200x2400x50	pillar	3,4560	69,12	24	0	0,0000	0,00	0
BR700474	BOERNER BASE 30 1200x2400x60	pillar	3,4560	57,60	20	0	0,0000	0,00	0
BR700475	BOERNER BASE 30 1200x2400x70	pillar	3,2256	46,08	16	0	0,0000	0,00	0
BR700476	BOERNER BASE 30 1200x2400x80	pillar	3,4560	43,20	15	0	0,0000	0,00	0
BR700477	BOERNER BASE 30 1200x2400x90	pillar	3,1104	34,56	12	0	0,0000	0,00	0
BR700478	BOERNER BASE 30 1200x2400x100	pillar	3,4560	34,56	12	0	0,0000	0,00	0
BR700479	BOERNER BASE 30 1200x2400x110	pillar	3,1680	28,80	10	0	0,0000	0,00	0
BR700480	BOERNER BASE 30 1200x2400x120	pillar	3,4560	28,80	10	0	0,0000	0,00	0
BR700481	BOERNER BASE 30 1200x2400x130	pillar	2,9952	23,04	8	0	0,0000	0,00	0
BR700482	BOERNER BASE 30 1200x2400x140	pillar	3,2256	23,04	8	0	0,0000	0,00	0
BR700483	BOERNER BASE 30 1200x2400x150	pillar	3,4560	23,04	8	0	0,0000	0,00	0
BR700484	BOERNER BASE 30 1200x2400x160	pillar	3,2256	20,16	7	0	0,0000	0,00	0
BR700485	BOERNER BASE 30 1200x2400x170	pillar	3,4272	20,16	7	0	0,0000	0,00	0
BR700486	BOERNER BASE 30 1200x2400x180	pillar	3,1104	17,28	6	0	0,0000	0,00	0
BR700487	BOERNER BASE 30 1200x2400x190	pillar	3,2832	17,28	6	0	0,0000	0,00	0
BR700488	BOERNER BASE 30 1200x2400x200	pillar	3,4560	17,28	6	0	0,0000	0,00	0

LOGISTICS INFORMATION

Standard packaging on pillars. Full truck loading: 22 standard pallets.

Packing on wooden pallets (22 pallets and 11 high pallets marked with H2.6) to be confirmed in the logistics department

LOGISTICS INFORMATION

Full truck loading: 22 standard pallets / 11 pallets marked with H2,6

STORAGE

The product may only be stored outdoors in an intact, originally packed pallet. Protected against the harmful effects of weather conditions and set on a dry and stable surface. Maximum stacking height of pallets up to three 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



Certificate number: 1454-CPR-0292

Designation code: MW-EN 13162-T5-DS(70,90)-CS(10)30-TR7,5-PL(5)250-WS-WL(P)-MU1

Declaration of performance no: BRI/FR/BRB30/2023_04

