



BOERNER VENT EXTRA

STONE WOOL

PRODUCT DESCRIPTION

BOERNER VENT EXTRA are non-combustible, hydrophobic thermal and acoustic insulation boards with a disturbed fiber arrangement, made of stone wool. Increased physical and mechanical parameters ensure reliable use of the material in vertical structures.

APPLICATION

As a layer of thermal and acoustic insulation in ventilated systems with various types of external cladding and in frame walls.



THICKNESS RANGE 50 - 200 [mm]

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	$\geq 0,5$	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/m ²	5	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]	-	-	-	-	1,40	1,70	2,00	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
R_D [m ² K/W]	4,65	4,95	5,20	5,50	5,80	-	-	-	-	-	-	-	-	-	-



**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
BR700069	BOERNER VENT EXTRA 1200x600x50 (6 slabs) H2,6	2400x1200x110	6,9120	138,24	192	32	0,2160	4,32	6
BR700070	BOERNER VENT EXTRA 1200x600x60 (6 slabs) H2,6	2400x1200x110	6,2208	103,68	144	24	0,2592	4,32	6
BR700071	BOERNER VENT EXTRA 1200x600x70 (4 slabs) H2,6	2400x1200x110	6,4512	92,16	128	32	0,2016	2,88	4
BR700072	BOERNER VENT EXTRA 1200x600x80 (3 slabs) H2,6	2400x1200x110	6,9120	86,40	120	40	0,1728	2,16	3
BR700073	BOERNER VENT EXTRA 1200x600x90 (3 slabs) H2,6	2400x1200x110	6,2208	69,12	96	32	0,1944	2,16	3
BR700074	BOERNER VENT EXTRA 1200x600x100 (3 slabs) H2,6	2400x1200x110	6,9120	69,12	96	32	0,2160	2,16	3
BR700075	BOERNER VENT EXTRA 1200x600x110 (3 slabs) H2,6	2400x1200x110	6,6528	60,48	84	28	0,2376	2,16	3
BR700076	BOERNER VENT EXTRA 1200x600x120 (3 slabs) H2,6	2400x1200x110	6,2208	51,84	72	24	0,2592	2,16	3
BR700077	BOERNER VENT EXTRA 1200x600x130 (2 slabs) H2,6	2400x1200x110	6,7392	51,84	72	36	0,1872	1,44	2
BR700078	BOERNER VENT EXTRA 1200x600x140 (2 slabs) H2,6	2400x1200x110	6,4512	46,08	64	32	0,2016	1,44	2
BR700079	BOERNER VENT EXTRA 1200x600x150 (2 slabs) H2,6	2400x1200x110	6,9120	46,08	64	32	0,2160	1,44	2
BR700080	BOERNER VENT EXTRA 1200x600x160 (2 slabs) H2,6	2400x1200x110	6,4512	40,32	56	28	0,2304	1,44	2
BR700081	BOERNER VENT EXTRA 1200x600x170 (2 slabs) H2,6	2400x1200x110	6,8544	40,32	56	28	0,2448	1,44	2
BR700082	BOERNER VENT EXTRA 1200x600x180 (2 slabs) H2,6	2400x1200x110	6,2208	34,56	48	24	0,2592	1,44	2
BR700083	BOERNER VENT EXTRA 1200x600x190 (2 slabs) H2,6	2400x1200x110	6,5664	34,56	48	24	0,2736	1,44	2
BR700084	BOERNER VENT EXTRA 1200x600x200 (2 slabs) H2,6	2400x1200x110	6,9120	34,56	48	24	0,2880	1,44	2

LOGISTICS INFORMATION

Full truck loading: 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)0,5-AFr5-WS-WL(P)-MU1

Declaration of performance no: BRI/VF/BRVE/2023_04

