



# BOERNER VENT

## STONE WOOL

### PRODUCT DESCRIPTION

BOERNER VENT 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	$\lambda_D$	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)	%	$\leq 1$	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 <sup>2</sup>	5	EN 9053-1
Short-term water absorption	WS	kg/m <sup>2</sup>	$\leq 1$	EN 29767
Long-term water absorption	WL(P)	kg/m <sup>2</sup>	$\leq 3$	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 <sup>2</sup> 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 <sup>2</sup> 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 <sup>3</sup>	m <sup>2</sup>	slab	pack	m <sup>3</sup>	m <sup>2</sup>	slab
BR700053	BOERNER VENT 1200x600x50 (12 slabs) H2,6	2400x1200x110	6,9120	138,24	192	16	0,4320	8,64	12
BR700054	BOERNER VENT 1200x600x60 (10 slabs) H2,6	2400x1200x110	6,9120	115,20	160	16	0,4320	7,20	10
BR700055	BOERNER VENT 1200x600x70 (8 slabs) H2,6	2400x1200x110	6,4512	92,16	128	16	0,4032	5,76	8
BR700056	BOERNER VENT 1200x600x80 (6 slabs) H2,6	2400x1200x110	6,9120	86,40	120	20	0,3456	4,32	6
BR700057	BOERNER VENT 1200x600x90 (6 slabs) H2,6	2400x1200x110	6,2208	69,12	96	16	0,3888	4,32	6
BR700058	BOERNER VENT 1200x600x100 (6 slabs) H2,6	2400x1200x110	6,9120	69,12	96	16	0,4320	4,32	6
BR700059	BOERNER VENT 1200x600x110 (5 slabs) H2,6	2400x1200x110	6,3360	57,60	80	16	0,3960	3,60	5
BR700060	BOERNER VENT 1200x600x120 (5 slabs) H2,6	2400x1200x110	6,9120	57,60	80	16	0,4320	3,60	5
BR700061	BOERNER VENT 1200x600x130 (3 slabs) H2,6	2400x1200x110	6,7392	51,84	72	24	0,2808	2,16	3
BR700062	BOERNER VENT 1200x600x140 (4 slabs) H2,6	2400x1200x110	6,4512	46,08	64	16	0,4032	2,88	4
BR700063	BOERNER VENT 1200x600x150 (4 slabs) H2,6	2400x1200x110	6,9120	46,08	64	16	0,4320	2,88	4
BR700064	BOERNER VENT 1200x600x160 (3 slabs) H2,6	2400x1200x110	6,9120	43,20	60	20	0,3456	2,16	3
BR700065	BOERNER VENT 1200x600x170 (3 slabs) H2,6	2400x1200x110	5,8752	34,56	48	16	0,3672	2,16	3
BR700066	BOERNER VENT 1200x600x180 (3 slabs) H2,6	2400x1200x110	6,2208	34,56	48	16	0,3888	2,16	3
BR700067	BOERNER VENT 1200x600x190 (3 slabs) H2,6	2400x1200x110	6,5664	34,56	48	16	0,4104	2,16	3
BR700068	BOERNER VENT 1200x600x200 (3 slabs) H2,6	2400x1200x110	6,9120	34,56	48	16	0,4320	2,16	3

## LOGISTICS INFORMATION

Full truck loading: 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/BRV/2023\_04