



BOERNER VENT EXTRA FB

STONE WOOL

PRODUCT DESCRIPTION

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

APPLICATION

As an external layer of thermal and acoustic insulation in ventilated systems with various types of external cladding and in frame walls. The glass veil layer additionally strengthens the board surface and protects against air being blown out of the mineral wool space.



THICKNESS RANGE 100 - 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 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	
R_D [m ² K/W]	-	-	-	-	-	-	-	-	-	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
BR700085	BOERNER VENT EXTRA FB 1200x600x100 (3 slabs) H2,6	2400x1200x110	6,9120	69,12	96	32	0,2160	2,16	3
BR700086	BOERNER VENT EXTRA FB 1200x600x110 (3 slabs) H2,6	2400x1200x110	6,6528	60,48	84	28	0,2376	2,16	3
BR700087	BOERNER VENT EXTRA FB 1200x600x120 (3 slabs) H2,6	2400x1200x110	6,2208	51,84	72	24	0,2592	2,16	3
BR700088	BOERNER VENT EXTRA FB 1200x600x130 (2 slabs) H2,6	2400x1200x110	6,7392	51,84	72	36	0,1872	1,44	2
BR700089	BOERNER VENT EXTRA FB 1200x600x140 (2 slabs) H2,6	2400x1200x110	6,4512	46,08	64	32	0,2016	1,44	2
BR700090	BOERNER VENT EXTRA FB 1200x600x150 (2 slabs) H2,6	2400x1200x110	6,9120	46,08	64	32	0,2160	1,44	2
BR700091	BOERNER VENT EXTRA FB 1200x600x160 (2 slabs) H2,6	2400x1200x110	6,4512	40,32	56	28	0,2304	1,44	2
BR700092	BOERNER VENT EXTRA FB 1200x600x170 (2 slabs) H2,6	2400x1200x110	6,8544	40,32	56	28	0,2448	1,44	2
BR700093	BOERNER VENT EXTRA FB 1200x600x180 (2 slabs) H2,6	2400x1200x110	6,2208	34,56	48	24	0,2592	1,44	2
BR700094	BOERNER VENT EXTRA FB 1200x600x190 (2 slabs) H2,6	2400x1200x110	6,5664	34,56	48	24	0,2736	1,44	2
BR700095	BOERNER VENT EXTRA FB 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/BRVEFB/2023_04**

