



BOERNER FACADE 34

STONE WOOL

PRODUCT DESCRIPTION

BOERNER FACADE 34 are non-combustible, hydrophobic thermal and sound insulation boards with a disturbed fiber arrangement, made of stone wool. The biggest advantage of this product is the thermal conductivity coefficient of 0,034 [W/mK].

APPLICATION

As a layer for thermal, acoustic and fire insulation in industrial and civil construction. Intended for use inside and outside buildings in jointless thermal insulation systems (ETICS).



THICKNESS RANGE 50 - 250 [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	≥ 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 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	6,10	6,40	6,70	7,00	7,30	-	-	-	-	-	



**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
BR700140	BOERNER FACADE 34 1200x600x50	pillar	3,4560	69,12	96	16	0,2160	4,32	6
BR700141	BOERNER FACADE 34 1200x600x60	pillar	3,4560	57,60	80	16	0,2160	3,60	5
BR700142	BOERNER FACADE 34 1200x600x70	pillar	3,2256	46,08	64	16	0,2016	2,88	4
BR700143	BOERNER FACADE 34 1200x600x80	pillar	3,4560	43,20	60	20	0,1728	2,16	3
BR700144	BOERNER FACADE 34 1200x600x90	pillar	3,1104	34,56	48	16	0,1944	2,16	3
BR700145	BOERNER FACADE 34 1200x600x100	pillar	3,4560	34,56	48	16	0,2160	2,16	3
BR700146	BOERNER FACADE 34 1200x600x110	pillar	3,1680	28,80	40	20	0,1584	1,44	2
BR700147	BOERNER FACADE 34 1200x600x120	pillar	3,4560	28,80	40	20	0,1728	1,44	2
BR700148	BOERNER FACADE 34 1200x600x130	pillar	2,9952	23,04	32	16	0,1872	1,44	2
BR700149	BOERNER FACADE 34 1200x600x130	pillar	3,3696	25,92	36	12	0,2808	2,16	3
BR700150	BOERNER FACADE 34 1200x600x140	pillar	3,2256	23,04	32	16	0,2016	1,44	2
BR700151	BOERNER FACADE 34 1200x600x150	pillar	3,4560	23,04	32	16	0,2160	1,44	2
BR700152	BOERNER FACADE 34 1200x600x160	pillar	2,7648	17,28	24	12	0,2304	1,44	2
BR700153	BOERNER FACADE 34 1200x600x170	pillar	2,9376	17,28	24	12	0,2448	1,44	2
BR700154	BOERNER FACADE 34 1200x600x180	pillar	3,1104	17,28	24	12	0,2592	1,44	2
BR700155	BOERNER FACADE 34 1200x600x190	pillar	3,2832	17,28	24	12	0,2736	1,44	2
BR700156	BOERNER FACADE 34 1200x600x200	pillar	3,4560	17,28	24	12	0,2880	1,44	2
BR700157	BOERNER FACADE 34 1200x600x210	pillar	3,0240	14,40	20	20	0,1512	0,72	1
BR700158	BOERNER FACADE 34 1200x600x220	pillar	3,1680	14,40	20	20	0,1584	0,72	1
BR700159	BOERNER FACADE 34 1200x600x230	pillar	3,3120	14,40	20	20	0,1656	0,72	1
BR700160	BOERNER FACADE 34 1200x600x240	pillar	3,4560	14,40	20	20	0,1728	0,72	1
BR700161	BOERNER FACADE 34 1200x600x250	pillar	2,8800	11,52	16	16	0,1800	0,72	1

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

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-EN13162-T5-DS(70,90)-CS(10)20-TR10-PL(5)150-WS-WL(P)-MU1

Declaration of performance no: BRI/ETICS/BRF34/2023_04

