



BOERNER FACADE 39

STONE WOOL

PRODUCT DESCRIPTION

BOERNER FACADE 39 are non-combustible, hydrophobic thermal and sound insulation boards with a disturbed fiber arrangement, made of stone wool.

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 **40 - 200 [mm]**

DECLARED PARAMETERS

Parameter	Symbol	Unit	Value	Method
Declared thermal conductivity	λ_D	W/mK	0,039	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	≥ 40	EN 826
Tensile strength perpendicular to the faces	TR	kPa	≥ 15	EN 1607
Point load at 5 mm deformation	PL(5)	N	≥ 300	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]	-	-	-	1,00	1,25	1,50	1,75	2,05	2,30	2,55	2,80	3,05	3,30	3,55	3,80
Thickness [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R_D [m ² K/W]	4,10	4,35	4,60	4,85	5,10	-	-	-	-	-	-	-	-	-	-



**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
BR700325	BOERNER FACADE 39 1200x600x40	pillar	3,4560	86,40	120	20	0,1728	4,32	6
BR700326	BOERNER FACADE 39 1200x600x50	pillar	3,4560	69,12	96	16	0,2160	4,32	6
BR700327	BOERNER FACADE 39 1200x600x60	pillar	3,4560	57,60	80	16	0,2160	3,60	5
BR700328	BOERNER FACADE 39 1200x600x70	pillar	3,2256	46,08	64	16	0,2016	2,88	4
BR700329	BOERNER FACADE 39 1200x600x80	pillar	3,4560	43,20	60	20	0,1728	2,16	3
BR700330	BOERNER FACADE 39 1200x600x90	pillar	3,1104	34,56	48	16	0,1944	2,16	3
BR700331	BOERNER FACADE 39 1200x600x100	pillar	3,4560	34,56	48	16	0,2160	2,16	3
BR700332	BOERNER FACADE 39 1200x600x110	pillar	3,1680	28,80	40	20	0,1584	1,44	2
BR700333	BOERNER FACADE 39 1200x600x120	pillar	3,4560	28,80	40	20	0,1728	1,44	2
BR700334	BOERNER FACADE 39 1200x600x130	pillar	2,9952	23,04	32	16	0,1872	1,44	2
BR700335	BOERNER FACADE 39 1200x600x140	pillar	3,2256	23,04	32	16	0,2016	1,44	2
BR700336	BOERNER FACADE 39 1200x600x150	pillar	3,4560	23,04	32	16	0,2160	1,44	2
BR700337	BOERNER FACADE 39 1200x600x160	pillar	2,7648	17,28	24	12	0,2304	1,44	2
BR700338	BOERNER FACADE 39 1200x600x170	pillar	2,9376	17,28	24	12	0,2448	1,44	2
BR700339	BOERNER FACADE 39 1200x600x180	pillar	3,1104	17,28	24	24	0,1296	0,72	1
BR700340	BOERNER FACADE 39 1200x600x190	pillar	3,2832	17,28	24	24	0,1368	0,72	1
BR700341	BOERNER FACADE 39 1200x600x200	pillar	3,4560	17,28	24	24	0,1440	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-EN 13162-T5-DS(70,90)-CS(10)30-TR15-PL(5)300-WS-WL(P)-MU1

Declaration of performance no: BRI/ETICS/BRF39/2023_04

