



# 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	$\lambda_D$	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)	%	$\leq 1$	EN 1604
Compressive stress at 10% deformation	CS(10)	kPa	$\geq 40$	EN 826
Tensile strength perpendicular to the faces	TR	kPa	$\geq 15$	EN 1607
Point load at 5 mm deformation	PL(5)	N	$\geq 300$	EN 12430
Air flow resistivity	AFr	kPa·s/m <sup>2</sup>	NPD	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]	-	-	-	1,00	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 <sup>2</sup> 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 <sup>3</sup>	m <sup>2</sup>	slab	pack	m <sup>3</sup>	m <sup>2</sup>	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)40-TR15-PL(5)300-WS-WL(P)-MU1

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

