



# BOERNER FACADE S

## STONE WOOL

### PRODUCT DESCRIPTION

BOERNER FACADE S 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 primarily for insulating staircases, jambs and balconies in thermal insulation systems (ETICS).



THICKNESS RANGE 20 - 50 [mm]

### DECLARED PARAMETERS

Parameter	Symbol	Unit	Value	Method
Declared thermal conductivity	$\lambda_D$	W/mK	0,037	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	$\geq 30$	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]	-	0,50	0,80	1,05	1,35	-	-	-	-	-	-	-	-	-	-
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]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



**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
BR700350	BOERNER FACADE S 1200x600x20	pillar	3,4560	172,80	240	20	0,1728	8,64	12
BR700351	BOERNER FACADE S 1200x600x30	pillar	3,4560	115,20	160	20	0,1728	5,76	8
BR700352	BOERNER FACADE S 1200x600x40	pillar	3,4560	86,40	120	20	0,1728	4,32	6
BR700353	BOERNER FACADE S 1200x600x50	pillar	3,4560	69,12	96	16	0,2160	4,32	6

**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/BRFS/2024\_03**

