



# BOERNER TOP 70

STONE WOOL

## PRODUCT DESCRIPTION

BOERNER TOP 70 are non-combustible, hydrophobic thermo and sound insulation boards with a disturbed fiber arrangement, made of stone wool.

## APPLICATION

Thermal, acoustic and non-combustible insulation in industrial and civil construction. Intended for use in construction facilities as a top layer of a two-layer roof thermal insulation system in combination with BOERNER BASE slabs or in other single- or multi-layer insulation systems.

THICKNESS RANGE **20 - 150 [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	$\geq 70$	EN 826
Tensile strength perpendicular to the faces	TR	kPa	$\geq 15$	EN 1607
Point load at 5 mm deformation <50mm	PL(5)	N	$\geq 700$	EN 12430
Point load at 5 mm deformation $\geq 50$ mm	PL(5)	N	$\geq 800$	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	0,75	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]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



**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
BR701027	BOERNER TOP 70 1200x2400x20	pillar	3,4560	172,80	60	0	0,0000	0,00	0
BR701028	BOERNER TOP 70 1200x2400x30	pillar	3,4560	115,20	40	0	0,0000	0,00	0
BR701029	BOERNER TOP 70 1200x2400x40	pillar	3,4560	86,40	30	0	0,0000	0,00	0
BR701030	BOERNER TOP 70 1200x2400x50	pillar	3,4560	69,12	24	0	0,0000	0,00	0
BR701031	BOERNER TOP 70 1200x2400x60	pillar	3,4560	57,60	20	0	0,0000	0,00	0
BR701032	BOERNER TOP 70 1200x2400x70	pillar	3,2256	46,08	16	0	0,0000	0,00	0
BR701033	BOERNER TOP 70 1200x2400x80	pillar	3,4560	43,20	15	0	0,0000	0,00	0
BR701034	BOERNER TOP 70 1200x2400x90	pillar	3,1104	34,56	12	0	0,0000	0,00	0
BR701035	BOERNER TOP 70 1200x2400x100	pillar	3,4560	34,56	12	0	0,0000	0,00	0
BR701036	BOERNER TOP 70 1200x2400x110	pillar	3,1680	28,80	10	0	0,0000	0,00	0
BR701037	BOERNER TOP 70 1200x2400x120	pillar	3,4560	28,80	10	0	0,0000	0,00	0
BR701038	BOERNER TOP 70 1200x2400x130	pillar	2,9952	23,04	8	0	0,0000	0,00	0
BR701039	BOERNER TOP 70 1200x2400x140	pillar	3,2256	23,04	8	0	0,0000	0,00	0
BR701040	BOERNER TOP 70 1200x2400x150	pillar	3,4560	23,04	8	0	0,0000	0,00	0

**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 for thickness products <50mm

**MW-EN 13162-T5-DS(70,90)-CS(10)70-TR15-PL(5)700-WS-WL(P)-MU1**

Designation code for thickness products ≥50mm

**MW-EN 13162-T5-DS(70,90)-CS(10)70-TR15-PL(5)800-WS-WL(P)-MU1**

Declaration of performance no: **BRI/FR/BRT70/2023\_04**

