



BOERNER BASE 40 TAPERED

STONE WOOL

PRODUCT DESCRIPTION

BOERNER BASE 40 TAPERED are non-combustible, hydrophobic stone wool boards with a disturbed fiber arrangement, for shaping slopes and counter-slopes on flat roofs.

APPLICATION

Shaping slopes that drain water from flat roofs to roof drains. BOERNER TOP 50 TAPERED boards are placed on the BOERNER BASE thermal insulation layer. Boards with an inclination of 2.5% and 3.0% are available for shaping slopes and with an inclination of 5% for making counter-slopes.



THICKNESS RANGE 10 - 70 [mm]

DECLARED PARAMETERS

Parameter	Symbol	Unit	Value	Method
Declared thermal conductivity	λ_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)	%	≤ 1	EN 1604
Compressive stress at 10% deformation	CS(10)	kPa	≥ 40	EN 826
Tensile strength perpendicular to the faces	TR	kPa	≥ 10	EN 1607
Point load at 5 mm deformation	PL(5)	N	≥ 250	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]	0,25	0,50	0,80	1,05	1,35	1,60	1,85	-	-	-	-	-	-	-	-
Thickness [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R_D [m ² K/W]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



**STANDARD DIMENSIONS AND PACKAGING**

Code	Full name and dimensions	Pallet format	Pallet			
		mm	m ³	m ²	slab	pack
BR701110	BOERNER BASE 40 TAPERED 1000x1200x10-40 (A 2,5%)	1200x1000x110	1,3200	52,80	44	0
BR701111	BOERNER BASE 40 TAPERED 1000x1200x40-70 (B 2,5%)	1200x1000x110	1,3200	24,00	20	0
BR701112	BOERNER BASE 40 TAPERED 1000x1200x10-40 (A 3,0%)	1200x1000x110	1,3200	52,80	44	0
BR701113	BOERNER BASE 40 TAPERED 1000x1200x40-70 (B 3,0%)	1200x1000x110	1,3200	24,00	20	0
BR701114	BOERNER BASE 40 TAPERED 1000x600x10-40 (A 5,0%)	1200x1000x110	1,3200	52,80	88	0
BR701115	BOERNER BASE 40 TAPERED 1000x600x40-70 (B 5,0%)	1200x1000x110	1,3200	24,00	40	0
BR701116	BOERNER BASE 40 TAPERED 1000x1200x60 Element C	1200x1000x110	1,4400	24,00	20	0

LOGISTICS INFORMATION

Full truck loading: 52 standard pallets.

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-TR10-PL(5)250-WS-WL(P)-MU1**

Declaration of performance no: **BRI/FR/BRB40T/2023_04**

