



TECHNOROOF TOP 50

STONE WOOL

PRODUCT DESCRIPTION

TECHNOROOF TOP 50 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 TECHNOROOF BASE slabs.



THICKNESS RANGE 20 - 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	≥ 50	EN 826
Tensile strength perpendicular to the faces	TR	kPa	≥ 15	EN 1607
Point load at 5 mm deformation <50mm	PL(5)	N	≥ 550	EN 12430
Point load at 5 mm deformation ≥ 50 mm	PL(5)	N	≥ 650	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 RESISTANCE

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]	-	0,50	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 ² K/W]	4,10	4,35	4,60	4,85	5,10	-	-	-	-	-	-	-	-	-	-	





LOGISTICS INFORMATION

Full truck loading: 22 standard pallets / 11 pallets marked with H2,6

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

(N) / (S) - code of the region



Certificate number: **1454-CPR-0292**

Designation code for thickness products <50mm

MW-EN 13162-T5-DS(70,90)-CS(10)50-TR15-PL(5)550-WS-WL(P)-MU1

Designation code for thickness products ≥50mm

MW-EN 13162-T5-DS(70,90)-CS(10)50-TR15-PL(5)650-WS-WL(P)-MU1

Declaration of performance no: **TNI/FR/TRT50/2023_03**

