



TECHNOCEILING FW

STONE WOOL

PRODUCT DESCRIPTION

TECHNOCEILING FW are non-flammable, hydrophobized thermal and sound insulation boards with a disturbed fiber arrangement. Made of rock mineral wool, covered on one side with white glass veil.

APPLICATION

Thermal, acoustic and fire insulation in residential, industrial and building construction. Designed for insulating ceilings and walls in garages, basements or technical rooms. Mechanical assembly method, using steel connectors with plates. The panels are installed in accordance with the designer's guidelines. Most often using 2-3 connectors per board.



THICKNESS RANGE 50 - 200 [mm]

DECLARED PARAMETERS

Parameter	Symbol	Unit	Value	Method
Declared thermal conductivity	λ_D	W/mK	0,034	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	$\geq 0,5$	EN 826
Tensile strength perpendicular to the faces	TR	kPa	NPD	EN 1607
Point load at 5 mm deformation	PL(5)	N	NPD	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]	-	-	-	-	1,40	1,70	2,00	2,30	2,55	2,85	3,15	3,45	3,75	4,05	4,35
Thickness [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R_D [m ² K/W]	4,65	4,95	5,20	5,50	5,80	-	-	-	-	-	-	-	-	-	-



**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: **MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1**

Declaration of performance no: **TNI/C/TCFW/2022_08**

