

TECHNICAL DATA SHEET



COVEROCK
INSULATION

COVEROCK-R90

SLABS OF STONE WOOL

- ❖ THERMAL
- ❖ FIRE INSULATION.
- ❖ ACOUSTIC
- ❖ EXTERNAL AND INTERNAL BUILDING

PRODUCT CODE: COVEROCK R90 MW-EN13162-T5-DS(70.90)-CS(10)20-TR10-WS-WL(P)-MU1 (d=30-99mm)
 COVEROCK R90 MW-EN13162-T5-DS(70.90)-CS(10)30-TR10-WS-WL(P)-MU1 (d=100-220mm)
 COVEROCK R90 MW-EN13162-T5-DS(70.90)-CS(10)20-TR10-WS-WL(P)-MU1 (d=221-250mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

0.035
[W/mK]

DECLARED PARAMETERS

DECLARED PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS OF TOLERANCE	UNITS
Class for thickness tolerances	T	T5	[mm]
			[-1mm/+3mm]
Dimensional stability under 70 C and 90% humidity	DS(70,90)	$\leq 1,0$	[%]
Compressive stress at 10% deformation	CS(10/Y)	CS(10)20 (d=30-99mm) CS(10)30 (d=100-220mm) CS(10)20 (d=221-250mm)	kPa
Tensile strength perpendicular to faces	TR	10.0	kPa
Point load at 5mm deformation	PL(5)	[-]	[-]
Short time water absorption	WS	≤ 1.0	[kg/m ²]
Long time water absorption	WL(P)	≤ 3.0	[kg/m ²]
Air flow resistivity	AFr	[-]	[-]
Reaction to fire	RtF	A1	Euroclass
Water vapour transmission	MU	MU1	[-]

DECLARED THERMAL RESISTANCE

mm	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250
R_0 [m ² K/W]	0,85	1,10	1.40	1.70	2.00	2.25	2.55	2.85	3.10	3.40	3.70	4.00	4.25	4.55	4.85	5.10	5.40	5.70	6.00	6.25	6.55	6.85	7.10



ADDRESS:

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APPLICATION:

- ❖ EXTERNAL AND PARTITION WALLS INSULATED BY ETICS SYSTEM
- ❖ EXTERNAL MONOLITHIC, PREFABRICATED AND BRICK WALLS
- ❖ FLOORS ABOVE GARAGES, PASSAGES AND BASEMENTS

DIMENSIONS AND PACKING

FORMAT OF PLATES			PACKAGES			PALLET		
Length	Width	Thickness	No. of plates in a package	Cover surface of a package	Volume of package	No. of package on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[m]	[mm]	[mm]	[pcs.]	[m ²]	[m ³]	[pcs.]	[m ²]	[m ³]
1000	600	30	10	6.00	0,180	16	96.00	2,880
		40	6	3.60	0,144	20	72.00	2,880
		50	6	3.60	0,180	16	57.60	2,880
		60	5	3.00	0,180	16	48.00	2,880
		70	4	2.40	0,168	16	38.40	2,688
		80	5	3.00	0,240	12	36.00	2,880
		90	3	1.80	0,162	16	28.80	2,592
		100	3	1.80	0,180	16	28.80	2,880
		110	2	1.20	0,132	20	24.00	2,640
		120	2	1.20	0,144	20	24.00	2,880
		130	3	1.80	0,234	12	21.60	2,808
		140	2	1.20	0,168	16	19.20	2,688
		150	2	1,20	0,180	16	19.20	2,880
		160	2	1,20	0,192	28	33,60	5,376
		170	2	1,20	0,204	12	14,40	2,448
		180	2	1,20	0,216	12	14,40	2,592
		190	2	1,20	0,228	12	14,40	2,736
		200	2	1,20	0,240	12	14,40	2,880
		210	1	0,60	0,126	20	12,00	2,520
		220	1	0,60	0,132	20	12,00	2,640
230	1	0,60	0,138	20	12,00	2,760		
240	1	0,60	0,144	20	12,00	2,880		
250	1	0,60	0,150	36	21,60	5,400		