

TECHNICAL DATA SHEET



COVEROCK
INSULATION



SLABS OF STONE WOOL :

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

COVEROCK -R90

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	-1mm/+3mm	[mm]
			-1%/+3%	[%/mm]
Dimensional stability under 70 C and 90% humidity	DS(70,90)	<1		[-]
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		kPa
Point load at 5mm deformation	PL(5)	[-]		[-]
Short time water absorption	WS	≤ 1		[kg/m ²]
Long time water absorption	WL(P)	≤ 3		[kg/m ²]
Air flow resistivity	AFr	[-]		[-]
Reaction to fire	RtF	A1		Euroclass

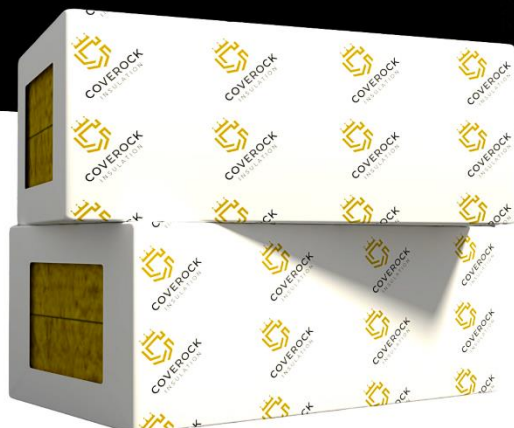
DECLARED THERMAL RESISTANCE

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 _s [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

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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
- ❖ FIRE INSULATION OF ATTICS (REACTION TO FIRE CLASSIFICATION A1)

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
[mm]	[mm]	[mm]	[pcs.]	[m2]	[m3]	[pcs.]	[m2]	[m3]
1000	600	50	6	3,60	0,180	32	115,20	5,760
		60	5	3,00	0,180	32	96,00	5,760
		70	4	2,40	0,168	32	76,80	5,376
		80	3	1,80	0,144	40	72,00	5,760
		90	3	1,80	0,162	32	57,60	5,184
		100	3	1,80	0,180	32	57,60	5,760
		110	2	1,20	0,132	40	48,00	5,280
		120	2	1,20	0,144	40	48,00	5,760
		130	3	1,80	0,234	24	43,20	5,616
		140	3	1,80	0,252	24	43,20	6,048
		150	2	1,20	0,180	32	38,40	5,760
		160	3	1,80	0,288	20	36,00	5,760
		170	2	1,20	0,204	28	33,60	5,712
		180	2	1,20	0,216	28	33,60	6,048
		190	3	1,80	0,342	16	28,80	5,472
		200	3	1,80	0,360	16	28,80	5,760
		210	2	1,20	0,252	24	28,80	5,760
		220	2	1,20	0,264	20	24,00	5,280
		230	2	1,20	0,276	20	24,00	5,520
		240	2	1,20	0,288	20	24,00	5,760
		250	2	1,20	0,300	20	24,00	6,000