

TECHNICAL DATA SHEET



COVEROCK
INSULATION



SLABS OF STONE WOOL :

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

COVEROCK -R110

PRODUCT CODE: COVEROCK R110 MW-EN13162-T5-DS(70.90)-CS(10)30-TR10-WS-WL(P)-MU1 (d=20-49mm)
COVEROCK R110 MW-EN13162-T5-DS(70.90)-CS(10)30-TR15-WS-WL(P)-MU1 (d=50-99mm)
COVEROCK R110 MW-EN13162-T5-DS(70.90)-CS(10)40-TR15-WS-WL(P)-MU1 (d=100-190mm)

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)30 (d=20-49mm) CS(10)30 (d=50-99mm) CS(10)40 (d=100-190mm)		kPa
Tensile strength perpendicular to faces	TR	10 - (d=20-49mm) 15 - (d=50-99mm) 15 - (d=100-190mm)		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

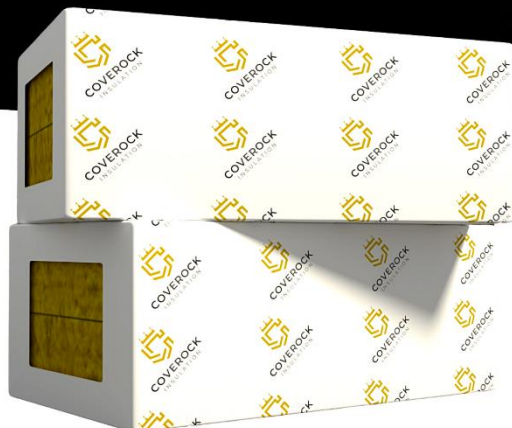
DECLARED THERMAL RESISTANCE

mm	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190
R _s [m ² K/W]	0.55	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

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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