

# TECHNICAL DATA SHEET



**COVEROCK**  
INSULATION



## COVEROCK-R90

### SLABS OF STONE WOOL FOR:

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

**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 $\lambda_D$

**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	-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 <sup>2</sup> ]
Long time water absorption	WL(P)	≤3	[kg/m <sup>2</sup> ]
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 <sub>0</sub> [m <sup>2</sup> 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



**COVEROCK**  
INSULATION

ADDRESS:

COVEROCK INSULATION LTD  
THE FLINT BARN, GLOVERS CLOSE  
BIGGIN HILL, TN16 3GA, UNITED KINGDOM

INFO@COVEROCK.CO.UK



1454-CPR-0285

1454 20

# TECHNICAL DATA SHEET



**COVEROCK**  
INSULATION



## 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
[m]	[mm]	[mm]	[pcs.]	[m <sup>2</sup> ]	[m <sup>3</sup> ]	[pcs.]	[m <sup>2</sup> ]	[m <sup>3</sup> ]
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	2,400
		70	3	1,80	0,128	16	28,8	2,016
		80	3	1,80	0,144	20	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	2	1,20	0,156	16	19,20	2,496
		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	5,379
		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	2,739
		200	2	1,20	0,240	12	14,40	2,880
210	2	1,20	0,252	12	14,40	3,024		
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	0,15	16	9,60	2,400		



ADDRESS:

COVEROCK INSULATION LTD  
THE FLINT BARN, GLOVERS CLOSE  
BIGGIN HILL, TN16 3GA, UNITED KINGDOM

INFO@COVEROCK.CO.UK



1454-CPR-0285

1454 20