

TECHNICAL DATA SHEET



COVEROCK
INSULATION

COVEROCK-R110

SLABS OF STONE WOOL FOR:

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

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 |
|--|-----------|------------------------|--|----------------------|
| | | T5 | | |
| 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)30 (d=20-49mm) | | kPa |
| | | CS(10)30 (d=50-99mm) | | |
| | | CS(10)40 (d=100-190mm) | | |
| Tensile strength perpendicular to faces | TR | 10 - (d=20-49mm) | | kPa |
| | | 15 - (d=50-99mm) | | |
| | | 15 - (d=100-190mm) | | |
| 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 ₀ [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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ADDRESS:

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1454-CPR-0285

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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 | 20 | 14 | 8,40 | 0,168 | 16 | 134,40 | 2,688 |
| | | 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 |
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