

1. Unique identification code of the product-type: ROOFROCK 30E; ROOFROCK 30E WG; ROOFROCK 40, MONROCK MAX E; DUROCK; HARDROCK MAX; DACHROCK; ROCKFALL; ROOF WEDGE; HARDROCK 1000
2. Intended use: Thermal insulation products for buildings (ThIB).
3. Manufacturer: ROCKWOOL® Polska Sp. z o.o., ul.Kwiatowa 14, 66-131 Cigacice.
4. System of attestation of conformity: System 1 + System 3
5. Harmonised standard: EN 13162:2012+A1:2015
Notified body No 1390 Centrum stavebního inženýrství a.s. Praha.
Certificate of constancy of performance No 1390-CPR-0444/16/P (factory Cigacice)
6. Declared Performance in the Table 1-3:

Table 1:

| Essential Characteristics | Clauses in this and other European standard(s) related to essential characteristics | Harmonized standard EN 13162:2012+A1:2015 | Product | | | |
|---|---|--|------------------------------------|------------------|-------------|--|
| | | | ROOFROCK 30E | ROOFROCK 30 E WG | ROOFROCK 40 | MONROCK MAX E |
| | | | Declared value / NPD ¹⁾ | | | |
| Reaction to fire | 4.2.6 Reaction to fire | Euroclasses | A1 | A1 | A1 | A1 |
| Release of dangerous substances to the indoor environment | 4.3.13 Release of dangerous substances | EU level not yet available | c) | c) | c) | c) |
| Acoustic absorption index | 4.3.11 Sound absorption | α_p (AP ^{a)} and α_w (AW ^{a)} declared | NPD | NPD | NPD | NPD |
| Impact noise transmission index (for floors) | 4.3.9 Dynamic stiffness | s', SD ^{a)} declared | NPD | NPD | NPD | NPD |
| | 4.3.10.2 Thickness, d _t | d _t and classes for thickness tolerances T6 or T7 | NPD | NPD | NPD | NPD |
| | 4.3.10.4 Compressibility c | CP ^{a)} declared | NPD | NPD | NPD | NPD |
| | 4.3.12 Air flow resistivity | AF _i ^{a)} declared | NPD | NPD | NPD | NPD |
| Direct airborne sound insulation index | 4.3.12 Air flow resistivity | AF _i ^{a)} declared | NPD | NPD | NPD | NPD |
| Continuous glowing combustion | 4.3.15 Continuous glowing combustion | EU level not yet available | b) | b) | b) | b) |
| Thermal resistance | 4.2.1 Thermal resistance and thermal conductivity | Thermal conductivity λ (W/mK) | 0,036 | 0,036 | 0,038 | 0,038 |
| | | Thermal resistance R | see product label | | | |
| | 4.2.3 Thickness | Thickness range (mm) | 50-250 | 50-250 | 50-250 | 50-250 |
| | | Ti ^{a)} class for thickness tolerance | T4 | T4 | T5 | T4 |
| Water permeability | 4.3.7.1 Short term water absorption | WS- declared W _p ; (kg/m ²) | ≤ 1 | ≤ 1 | ≤ 1 | ≤ 1 |
| | 4.3.7.2 Long term water absorption | WL(P) - declared W _{lp} ; (kg/m ²) | ≤ 3 | ≤ 3 | ≤ 3 | ≤ 3 |
| Water vapour permeability | 4.3.8 Water vapour transmission | Declared μ ; (MU ^{a)} or Zi ^{a)} | MU1 | MU1 | MU1 | MU1 |
| Compressive strength | 4.3.3 Compressive stress or compressive strength | CS(10) ^{a)} or CS(10Y) ^{a)} declared (kPa) | CS(10)30 | CS(10)30 | CS(10)40 | CS(10)40 ¹⁾ *) for top layer CS(10)70 |
| | 4.3.5 Point load | PL(5) ^{a)} declared (N) | PL(5)300 | PL(5)300 | PL(5)400 | PL(5)650 |
| Durability of reaction to fire against heat, weathering, ageing/degradation | 4.2.7 Durability characteristics | ²⁾ Euroclasses | A1 | A1 | A1 | A1 |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance and thermal conductivity | ²⁾ declared R and λ (W/mK) if possible | see product label | | | |
| | | | 0,036 | 0,036 | 0,038 | 0,038 |
| | 4.2.7 Durability characteristics | DS(70,-) declared The relative changes in thickness | ≤1% | ≤1% | ≤1% | ≤1% |
| | | DS(70,90) declared The relative changes in thickness | ≤1% | ≤1% | ≤1% | ≤1% |
| Tensile strength | 4.3.4 Tensile strength perpendicular to faces | TR _i ^{a)} declared (kPa) | TR7,5 | TR7,5 | TR15 | TR10 |
| Durability of compressive strength against ageing/degradation | 4.3.6 Compressive creep | CC(_{i1} ^{a)} / _{i2} ^{a)}) σ_c compressive creep declared X _{ct} and X _t | NPD | NPD | NPD | NPD |

¹⁾ No performance determined (NPD); ²⁾ no change with time; ^{a)} "T" indicates relevant class of level or declared value; ^{b)} national regulations not available; ^{c)} according to national regulations; see: Safety Use Instruction Sheet;

Table 2

| Essential Characteristics | Clauses in this and other European standard(s) related to essential characteristics | Harmonized standard EN 13162:2012+A1:2015 | Product | | | |
|---|---|---|--|--|--------------|--------------|
| | | | DUROCK | HARDROCK MAX | DACHROCK | ROCKFALL |
| | | | Declared value / NPD ¹⁾ | | | |
| Reaction to fire | 4.2.6 Reaction to fire | Euroclasses | A1 | A1 | A1 | A1 |
| Release of dangerous substances to the indoor environment | 4.3.13 Release of dangerous substances | EU level not yet available | c) | c) | c) | c) |
| Acoustic absorption index | 4.3.11 Sound absorption | α_p (AP ^{a)}) and α_w , (AW ^{a)}) declared | NPD | NPD | NPD | NPD |
| Impact noise transmission index (for floors) | 4.3.9 Dynamic stiffness | s', SD ^{a)} declared | NPD | NPD | NPD | NPD |
| | 4.3.10.2 Thickness, d _L | d _L and classes for thickness tolerances T6 or T7 | NPD | NPD | NPD | NPD |
| | 4.3.10.4 Compressibility c | CP ^{a)} declared | NPD | NPD | NPD | NPD |
| | 4.3.12 Air flow resistivity | AF _i ^{a)} declared | NPD | NPD | NPD | NPD |
| Direct airborne sound insulation index | 4.3.12 Air flow resistivity | AF _i ^{a)} declared | NPD | NPD | NPD | NPD |
| Continuous glowing combustion | 4.3.15 Continuous glowing combustion | EU level not yet available | b) | b) | b) | b) |
| Thermal resistance | 4.2.1 Thermal resistance and thermal conductivity | Thermal conductivity λ (W/mK) | 0,040 | 0,040 | 0,040 | 0,040 |
| | | Thermal resistance R | see product label | | | |
| | 4.2.3 Thickness | Thickness range (mm) Ti ^{a)} class for thickness tolerance | 50-200 T4 | 50-200 T4 | 40-200 T5 | 20-200 T5 |
| Water permeability | 4.3.7.1 Short term water absorption | WS- declared W _p ; (kg/m ²) | ≤ 1 | ≤ 1 | ≤ 1 | ≤ 1 |
| | 4.3.7.2 Long term water absorption | WL(P) - declared W _p ; (kg/m ²) | ≤ 3 | ≤ 3 | ≤ 3 | ≤ 3 |
| Water vapour permeability | 4.3.8 Water vapour transmission | Declared μ ; (MU ^{a)}) or ZI ^{a)} | MU1 | MU1 | MU1 | MU1 |
| Compressive strength | 4.3.3 Compressive stress or compressive strength | CS(10) ^{a)} or CS(10Y) ^{a)} declared (kPa) | CS(10)60 ¹⁾ *) for top layer CS(10)80 | CS(10)70 ¹⁾ *) for top layer CS(10)90 | CS(10)70 | CS(10)70 |
| | 4.3.5 Point load | PL(5) ^{a)} declared (N) | PL(5)700 | PL(5)800 | PL(5)650 | PL(5)650 |
| Durability of reaction to fire against heat, weathering, ageing/degradation | 4.2.7 Durability characteristics | ²⁾ Euroclasses | A1 | A1 | A1 | A1 |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance and thermal conductivity | ²⁾ declared R and λ (W/mK) if possible | see product label | | | |
| | | | 0,036 | 0,036 | 0,038 | 0,038 |
| | 4.2.7 Durability characteristics | DS(70,-) declared The relative changes in thickness | ≤1% | ≤1% | ≤1% | ≤1% |
| | | DS(70,90) declared The relative changes in thickness | ≤1% | ≤1% | ≤1% | ≤1% |
| Tensile strength | 4.3.4 Tensile strength perpendicular to faces | TR _i ^{a)} declared (kPa) | TR10 | TR10 | TR15 | TR10 |
| Durability of compressive strength against ageing/degradation | 4.3.6 Compressive creep | CC(i ₁ , ^{a)} / i ₂ ^{a)}) σ_c compressive creep declared X _{c1} and X _i | NPD | NPD | NPD | NPD |

¹⁾ No performance determined (NPD); ²⁾ no change with time; ^{a)} "*" indicates relevant class of level or declared value; ^{b)} national regulations not available; ^{c)} according to national regulations; see: Safety Use Instruction Sheet;

Table 3:

| Essential Characteristics | Clauses in this and other European standard(s) related to essential characteristics | Harmonized standard EN 13162:2012+A1:2015 | Product | |
|---|---|--|------------------------------------|--|
| | | | ROOF WEDGE | HARDROCK 1000 |
| | | | Declared value / NPD ¹⁾ | |
| Reaction to fire | 4.2.6 Reaction to fire | Euroclasses | A1 | A1 |
| Release of dangerous substances to the indoor environment | 4.3.13 Release of dangerous substances | EU level not yet available | c) | c) |
| Acoustic absorption index | 4.3.11 Sound absorption | α_p (AP ^{a)}) and α_w , (AW ^{a)}) declared | NPD | NPD |
| Impact noise transmission index (for floors) | 4.3.9 Dynamic stiffness | s' , SD ^{a)}) declared | NPD | NPD |
| | 4.3.10.2 Thickness, d_t | d_t and classes for thickness tolerances T6 or T7 | NPD | NPD |
| | 4.3.10.4 Compressibility c | CP ^{a)}) declared | NPD | NPD |
| | 4.3.12 Air flow resistivity | AF _i ^{a)}) declared | NPD | NPD |
| Direct airborne sound insulation index | 4.3.12 Air flow resistivity | AF _i ^{a)}) declared | NPD | NPD |
| Continuous glowing combustion | 4.3.15 Continuous glowing combustion | EU level not yet available | b) | b) |
| Thermal resistance | 4.2.1 Thermal resistance and thermal conductivity | Thermal conductivity λ (W/mK) | 0,040 | 0,040 |
| | | Thermal resistance R | see product label | |
| | 4.2.3 Thickness | Thickness range (mm) Ti ^{a)}) class for thickness tolerance | 20-200 T5 | 50-200 T4 |
| Water permeability | 4.3.7.1 Short term water absorption | WS- declared W_p ; (kg/m ²) | ≤ 1 | ≤ 1 |
| | 4.3.7.2 Long term water absorption | WL(P) - declared W_{lp} ; (kg/m ²) | ≤ 3 | ≤ 3 |
| Water vapour permeability | 4.3.8 Water vapour transmission | Declared μ ; (MU ^{a)}) or Zi ^{a)}) | MU1 | MU1 |
| Compressive strength | 4.3.3 Compressive stress or compressive strength | CS(10) ^{a)}) or CS(10Y) ^{a)}) declared (kPa) | CS(10)70 | CS(10)70 ¹⁾ *) for top layer CS(10)90 |
| | 4.3.5 Point load | PL(5) ^{a)}) declared (N) | PL(5)650 | PL(5)1000 |
| Durability of reaction to fire against heat, weathering, ageing/degradation | 4.2.7 Durability characteristics | ²⁾ Euroclasses | A1 | A1 |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance and thermal conductivity | ²⁾ declared R and λ (W/mK) if possible | see product label | |
| | | DS(70,-) declared The relative changes in thickness | $\leq 1\%$ | $\leq 1\%$ |
| | 4.2.7 Durability characteristics | DS(70,90) declared The relative changes in thickness | $\leq 1\%$ | $\leq 1\%$ |
| Tensile strength | 4.3.4 Tensile strength perpendicular to faces | TR _i ^{a)}) declared (kPa) | TR15 | TR10 |
| Durability of compressive strength against ageing/degradation | 4.3.6 Compressive creep | CC(i_1 , i_2) ^{a)}) σ_c compressive creep declared X_{ct} and X_t | NPD | NPD |

¹⁾ No performance determined; ²⁾ no change with time; ^{a)} "*" indicates relevant class of level or declared value; ^{b)} national regulations not available; ^{c)} according to national regulations; see: Safety Use Instruction Sheet;

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Frank Christian Bartel
Technical&Production Director
(Name, function))

Cigacice, 01.03.2016
Place, date



Signature