

HARDROCK 1000 d=50-200mm

MW-EN13162-T4-DS(70,-)-DS(70,90)-CS(10)70¹⁾-TR10-PL(5)1000-WS-WL(P)-MU1

1. Unique identification code of the product-type:
RW-CEE-0119
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-0452/16/P (factory Cigacice); 1390-CPR-0245/10/P (factory Bohumin).**
6. Declared Performance in the Table 1:

Table 1:

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012+A1:2015	Declared value / NPD ¹⁾
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	^{c)}
Acoustic absorption index	4.3.11 Sound absorption	α_p (AP ^{1a)} and α_w (AW ^{1a)} declared	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s', SD ^{1a)} declared	NPD
	4.3.10.2 Thickness, d _L	d _L and classes for thickness tolerances T6 or T7	NPD
	4.3.10.4 Compressibility c	CP ^{1a)} declared	NPD
	4.3.12 Air flow resistivity	AF _i ^{1a)} declared	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF _i ^{1a)} declared	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	^{b)}
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Thermal conductivity λ (W/mK)	0,040
		Thermal resistance R=d/ λ , (m ² K/W)	1,25 ÷ 5,00 see product label
	4.2.3 Thickness	Thickness range (mm) Ti ^{1a)} class for thickness tolerance	50-200 T4
Water permeability	4.3.7.1 Short term water absorption	WS- declared W _p ; (kg/m ²)	≤ 1
	4.3.7.2 Long term water absorption	WL(P) - declared W _{lp} ; (kg/m ²)	≤ 3
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ ; (MU ^{1a)} or Zi ^{1a)}	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) ^{1a)} or CS(10Y) ^{1a)} declared (kPa)	CS(10)70¹⁾ ¹⁾ for top layer CS(10)90
	4.3.5 Point load	PL(5) ^{1a)} declared (N)	PL(5)1000
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	²⁾ Euroclasses	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	²⁾ declared R=d/ λ , (m ² K/W) and λ (W/mK) if possible	1,25 ÷ 5,00 see product label
			0,040
	4.2.7 Durability characteristics	DS(70,-) declared The relative changes in thickness	≤1%
		DS(70,90) declared The relative changes in thickness	≤1%
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TR ^{1a)} declared (kPa)	TR10
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(i ₁ ^{1a)} /i ₂ ^{1a)} σ_c compressive creep declared X _{c1} and X _{c2}	NPD

¹⁾ No performance determined (NPD); ²⁾ no change with time; ^{1a)} "i" 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, 05.09.2016
(Place, date)


(Signature)