Declaration of Performance No RW-CEE-DoP-0125/C/16/w1

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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 (APi[a]) and α_w, (AWi[a]) declared	NPD	NPD	NPD	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s', SDi[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	CPi[a] declared	NPD	NPD	NPD	NPD
	4.3.12 Air flow resistivity	AF_ri[a] declared	NPD	NPD	NPD	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF_ri[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/m²)	≤ 1	≤ 1	≤ 1	≤ 1
	4.3.7.2 Long term water absorption	WL(P) - declared W_{lp}; (kg/m²)	≤ 3	≤ 3	≤ 3	≤ 3
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ; (MUi[a]) or Zi[a]	MU1	MU1	MU1	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10)i[a] or CS(10\Y)i[a] declared (kPa)	CS(10)30	CS(10)30	CS(10)40	CS(10)40*) *) for top layer CS(10)70
	4.3.5 Point load	PL(5)i[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	TRi[a] declared (kPa)	TR7,5	TR7,5	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_{ct} and X_t	NPD	NPD	NPD	NPD

[1] No performance determined (NPD); [2] no change with time; [a] "i" 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 (API[a]) and α_w, (AWi[a]) declared	NPD	NPD	NPD	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s', SDi[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	CPi[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)	50-200	50-200	40-200	20-200
		Ti[a] class for thickness tolerance	T4	T4	T5	T5
Water permeability	4.3.7.1 Short term water absorption	WS- declared W_p; (kg/m²)	≤ 1	≤ 1	≤ 1	≤ 1
	4.3.7.2 Long term water absorption	WL(P) - declared W_{lp}; (kg/m²)	≤ 3	≤ 3	≤ 3	≤ 3
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ; (MUi[a]) or Zi[a]	MU1	MU1	MU1	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10)i[a] or CS(10\Y)i[a] declared (kPa)	CS(10)60*) *) for top layer CS(10)80	CS(10)70*) *) for top layer CS(10)90	CS(10)70	CS(10)70
	4.3.5 Point load	PL(5)i[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	TRi[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_{ct} and X_t	NPD	NPD	NPD	NPD

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

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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 (API[a]) and α_w, (AWi[a]) declared	NPD	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s', SDi[a] declared	NPD	NPD
	4.3.10.2 Thickness, d_L	d_L and classes for thickness tolerances T6 or T7	NPD	NPD
	4.3.10.4 Compressibility c	CPi[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)	20-200	50-200
		Ti[a] class for thickness tolerance	T5	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; (MUi[a]) or Zi[a]	MU1	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10)i[a] or CS(10\Y)i[a] declared (kPa)	CS(10)70	CS(10)70*) *) for top layer CS(10)90
	4.3.5 Point load	PL(5)i[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	
			0,040	0,040
	4.2.7 Durability characteristics	DS(70,-) declared The relative changes in thickness	≤1%	≤1%
		DS(70,90) declared The relative changes in thickness	≤1%	≤1%
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRi[a] declared (kPa)	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_{ct} and X_t	NPD	NPD

[1] No performance determined; [2] no change with time; [a] "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, 01.03.2016
Place, date

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Signature

ROCKWOOL® Polska Sp. z o.o.
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