ROCKWOOL

STEPROCK PLUS

DECLARATION OF PERFORMANCE

No. CPR-DoP-PLO-015

1. Unique identification code of the product-type:

   MW-EN 13162-T7-MU1-CP3-Afr40

2. Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
   Thermal insulation for buildings (ThIB) - Factory made mineral wool products.

3. Manufacturer: **ROCKWOOL Romania SRL, Bucharest, District no 1, Bucharest-Ploiesti No. 1A Road, BUCHAREST BUSINESS PARK, A Building, 4th Floor, 013681, Romania**

4. System of assessment and verification of constancy of performance of the construction (AVCP): **System 1 for the reaction to fire of the product and System 3 for the other characteristics**

5. In case of the declaration of performance concerning a construction product covered by a harmonised standard (EN 13162:2012+A1:2015):
   TZUS - TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, S.P. (notified body n° 1020) performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of the factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance for reaction to fire No. 1020-CPR-010041766 on March 26, 2024.
   TZUS - TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, S.P. (notified testing laboratory No. 1020 according to EN 13162:2012+A1:2015) performed the test reports for the other relevant declared characterictics.
   Notified testing laboratory is accredited by CAI according to ISO 17025:2018 and has received accreditation certificate no. 1018.3.

6. Declared performance in the Table 1 and Table 2:

Table 1

Essential characteristics		Declared performance / NPD[1]	Harmonized technical specification
Thermal resistance	Thermal resistance R_D (m^2.K/W)	see Table 2	EN 13162:2012+A1:2015
	Thermal conductivity λ_D, W/(m.K)	0.035	
	Thickness, Ti*	T7	
Reaction to fire	Euroclasses – reaction to fire (RtF) product	A1	
Durability of reaction to fire against heat, weathering, ageing/ degradation[2]	Durability characteristics Reaction to fire (RtF) product	(a)	
Durability of thermal resistance against heat, weathering, ageing/ degradation[2]	Thermal resistance R_D, (m^2.K/W)	see Table 2	
	Thermal conductivity λ_D, W/(mK)	(b)	
	Durability characteristics	(c)	
		NPD	
Compressive strength	Compressive stress CS(10)i*, CS(10/Y)i*, (kPa)	NPD	
	Point load PL(5)i*, (N)	NPD	
Tensile / Flexural strength	Tensile strength perpendicular to faces (d), TRi*, (kPa)	NPD	
Durability of compressive strength against ageing/ degradation	Compressive creep [CC(i_t*/ i_2*)ε_c], declared X_{ct} and X_t, (mm)	NPD	
Water permeability	Short term water absorption, WS (≤1 kg/m^2)	NPD	
	Long term water absorption, WL(P) (≤ 3 kg/m^2)	NPD	
Water vapour permeability	Water vapour transmission Water vapour diffusion resistance factor	MU1[3]	
Impact noise transmission index (for floors)	Dynamic stiffness SDi*, (MN/m^3)	NPD	
	Thickness, d_L	NPD	
	Compressibility, c (CP), (mm)	CP3	
	Air flow resistivity, AFri*, (kPa.s/m^2)	AFr40	
Acoustic absorption index	Sound absorption, AWi*	NPD	
Direct airborne sound insulation index	Air flow resistivity, AFri*, (kPa.s/m^2)	NPD	
Continuous glowing combustion	Continuous glowing combustion	(e)	
Release of dangerous substances to the indoor environment	Release of dangerous substances to the indoor environment	(e)	

[1] No performance determined (NPD); [2] No change with time; * "i" Indicates relevant class of level or declared value; [3] Tabulated value according to the harmonised standard EN 13162:2012+A1:2015
(a) No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time **(b)** Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air. **(c)** For dimensional stability thickness only. **(d)** This characteristic also covers handling and installation. **(e)** European test methods are under development

Table 2

	Thermal resistance, R_D																		
d(mm)	20	30	40	50	60	70	80	90	100	110	120	130	140	160	180	200	220	240	250
R_D(m^2K/W)	0.55	0.85	1.10	1.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE: R value for thickness not seen in Table 2, is available on product label

This declaration of performance is available on the website dop.rockwool.com

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:

Radu Emil ANDREI

Factory Manager

(Name, function)

Ploiesti, June 03, 2024

(Place, date)

(Signature)