ROCKWOOL

ROOFROCK 50 PLUS / DACHROCK 50

DECLARATION OF PERFORMANCE

No. CPR-DoP-PLO-004

1. Unique identification code of the product-type:

   MW-EN 13162 T5-CS(10)50-PL(5)500-TR10-DS(70,-)-DS(70,90)-MU1-WS-WL(p)

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)**

3 Manufacturer: **ROCKWOOL Romania SRL, Bucharest-Ploiesti No 1A Road, C Building, 1st Floor, 013681, District no 1, Bucharest, 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 (Notified Certification Body n° 1020) performed the determination of the product-type on the basis of type testing, the initial inspection of the manufacturing plant, assessment and evaluation of tests results according to system 1 and issued a Certificate of Constancy of Performance No. 1020-CPR-010041766.**

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)	0.037	
	Thickness, Ti *	T5	
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) DS(70,-) DS(70,90)	
Compressive strength	Compressive stress CS(10)i*, CS(10/Y)i*, (kPa)	CS(10)50	
	Point load PL(5)i*, (N)	PL(5)500	
Tensile / Flexural strength	Tensile strength perpendicular to faces **(d)**, TRi*, (kPa)	TR10	
Durability of compressive strength against ageing/ degradation	Compressive creep [CC(i_1*/ i_2*)s_{cl}], declared X_{ct} and X_t, (mm)	NPD	
Water permeability	Short term water absorption, WS (≤1 kg/m^2)	WS	
	Long term water absorption, WL(P) (≤ 3 kg/m^2)	WL(P)	
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)	NPD	
	Air flow resistivity, AFri*, (kPa.s/m^2)	NPD	
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)	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200	220	240	250
R_D(m^2K/W)	-	-	1.35	1.60	1.85	2.15	2.40	2.70	2.95	3.20	3.50	3.75	-	-	-	5.40	-	-	-

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:

Dan-Viorel Savin

Process, Quality and Environment Manager

(Name, function)

Ploiesti, 09th of April, 2020

(Place, date)

(Signature)