

**DECLARATION OF PERFORMANCE****N° CPR-DoP-ADR-064****1- Unique identification code of the product-type:**

MW-EN 13162-T5-CS(10)30-TR10-PL(5)450-WS-WL(P)-MU1

**2- Identification of the product as required pursuant to article 11, § 4 - Regulation n° 305/2011:****HARDROCK ENERGY PLUS**

(see product label)

**3- Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:**

Thermal insulation for buildings (ThIB)

**4- Name, registered trade name or trade mark and contact address of the manufacturer as required pursuant article 11, § 5 - Regulation n° 305/2011:**

ROCKWOOL ADRIATIC d.o.o.

Poduzetnička zona Pićan Jug 130, Zajci, HR - 52333 Potpićan, Croatia

**5- Name and contact address of the authorized representative:**

Not applicable

**6- System of assessment and verification of constancy of performance of the construction as set out in CPR, Annex V - Regulation n° 305/2011:**AVCP **System 1** for the reaction to fire of the productAVCP **System 3** for the other characteristics**7- In case of the declaration of performance concerning a construction product covered by a harmonised standard:**

IGH (notified certification body n° 2477) performed, carried out the determination of the product-type on the basis of type testing; the initial inspection of the manufacturing plant and of factory production control; the continuous surveillance, assessment and evaluation of factory production control, according System 1.

It has been issued the certificate of constancy of performance of the product, no. 2477-CPR-1969.

IGH (notified certification body n° 2477) performed the determination of the product-type on the basis of type testing, according System 3.

The test reports have been issued.

**8- In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**

not applicable

**ROCKWOOL ADRIATIC d.o.o.**

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## 9- Declared Performance:

Essential Characteristics		Performance	Harmonized technical specification
		<b>HARDROCK ENERGY PLUS</b>	
Thermal resistance	Thermal resistance (m <sup>2</sup> K/W) for thickness (mm) (*) (see product label)	from 1,40 thickness <b>50 mm</b> to 5.70 thickness <b>200 mm</b>	EN 13162:2012+A1: 2015
	Thermal conductivity (W/mK)	0,035	
	Thickness	T5	
Reaction to fire	Reaction to fire	A1	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	(a)	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and Thermal conductivity	(b)	
	Durability characteristics	(c) NPD	
Compressive strength	Compressive stress or compressive strength	CS(10)30	
	Point load	PL(5)450	
Tensile/Flexural strength	Tensile strength perpendicular to faces (d)	TR10	
Durability of compressive strength against ageing/degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	WS	
	Long term water absorption	WL(P)	
Water vapour permeability	Water vapour transmission	MU1	
Impact noise transmission index (for floors)	Dynamic stiffness	NPD	
	Thickness, d <sub>L</sub>	NPD	
	Compressibility, c	NPD	
	Air flow resistivity	NPD	
Acoustic absorption index	Sound absorption	NPD	
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	(e)	
Continuous glowing combustion	Continuous glowing combustion	(e)	

(\*) See label declared thermal resistance for thickness

NPD - No Performance Determined

- (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.

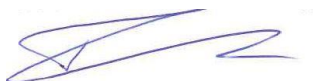
**10- The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.**

Signed for and on behalf of the manufacturer by:

ROCKWOOL ADRIATIC d.o.o

Factory Manager

Aleks Fonović



Potpićan, 15/11/2019