

1. Unique identification code of the product-type: MW-EN 13162-T5-DS(70,-)-DS(70,90)-CS(10)50-TR15-PL(5)550-WS-WL(P)-MU1
2. Identification of the product as required pursuant to Article 11(4) of the Regulation n° 305/2011: **MONROCK ENERGY PLUS – FLATROCK 50 (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 registered trade mark and contact address of the manufacturer as required under article 11(5) of the Regulation n° 305/2011:
ROCKWOOL ADRIATIC d.o.o., Poduzetnička zona Pićan Jug 130, Zajci, HR – 52333 Potpićan, Croatia
5. Where applicable, name and contact address of the authorized representative: **not applicable**
6. Systems of AVCP of the construction product as set out in Annex V of the Regulation (EU) n°. 305/2011: **System 1 and System 3**
7. Notified Certification body **No. 2477** performed, carried out the initial type testing, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance. **No. 2477-CPR-1898**
8. **Not applicable**
9. Declared Performance:

Essential Characteristics		Declared value / NPD	Harmonized technical specification
Reaction to fire Euroclass characteristics	4.2.6 Reaction to fire	A1	EN 13162:2012+ A1:2015
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances		
Acoustic absorption index	4.3.11 Sound absorption	NPD	
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	NPD	
	4.3.10.2 Thickness, d_L	NPD	
	4.3.10.4 Compressibility	NPD	
	4.3.12 Air flow resistivity	NPD	
Direct airborne sound insulation index	4.3.12 Air flow resistivity	NPD	
Continuous glowing combustion	4.3.15 Continuous glowing combustion		
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity (see product label)	$R_D 1,35 - 5,55 (m^2K/W)$ Thickness 50 – 200 mm $\lambda_D 0.036 W/m \cdot K$	
	4.2.3 Thickness	T5	
Water permeability	4.3.7.1 Short term water absorption	WS	
	4.3.7.2 Long term water absorption	WL(P)	
Water vapour permeability	4.3.8 Water vapour transmission	MU1	
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10)50	
	4.3.5 Point load	PL(5)550	
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics ^{a)}	^{b)}	
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	^{c)}	
	4.2.7 Durability characteristics	^{d)} DS(70,-) DS(70,90)	
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces ^{e)}	TR15	
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	NPD	

^{a)}No change in reaction to fire properties for mineral wool products. ^{b)}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. ^{c)}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. ^{d)}For dimensional stability thickness only. ^{e)}This characteristic also covers handling and installation.

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:

Signature

Potpician, 14/04/2017

Version 1

<http://dop.rockwool.com>