

- Unique identification code of the product-type: **FRONTROCK MAX E d=50- 60 mm; MW-EN 13162 -T5-DS(70,90)-CS(10)20-TR7,5-PL(5)250-WS-WL(P)-MU1, FRONTROCK MAX E d=70- 300 mm; MW-EN 13162 -T5-DS(70,90)-CS(10)20-TR10-PL(5)250-WS-WL(P)-MU1**
- Type and serial number allowing identification of the product: **see FRONTROCK MAX E label.**
- Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal insulation for buildings. (ThIB)**
- Name, registered trade name or trade mark and contact address of the manufacturer as required under article 11(5): **ROCKWOOL ADRIATIC d.o.o., Poduzetnička zona Pićan Jug 130, Zajci, HR – 52333 Potpićan, Croatia**
- Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): **not applicable**
- System of assessment and verification of constancy of performance of the construction as set out in CPR, Annex V: **System 1, System 3 / Regulation (EU) no.305/2011**
- ACERMI** (notified certification body n° 1163), **BSI** (notified certification body n° 0086) and **IGH** (notified certification body n° 2477) performed 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. **LNE** (notified certification body n° 0071) and **BSI** (notified certification body n° 0086) performed the determination of the product-type on the basis of type testing, according system 3. It has been issued the test reports.
- Declared Performance:

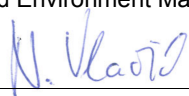
Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012	Declared value / NPD
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1 product
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substance	–	
Acoustic absorption index	4.3.11 Sound absorption	Declared $\alpha_p$ and $\alpha_w$	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared S	NPD
	4.3.10.2 Thickness, $d_L$	Declared $d_L$ and Class	NPD
	4.3.10.4 Compressibility c	Declared CP Level	NPD
	4.3.12 Air flow resistivity	Declared $AF_r$	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared $AF_r$	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	–	
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R and $\lambda$ , if possible	$R_D$ 1,35 –8,30 (m <sup>2</sup> K/W) Th. 50-300 mm $\lambda_D$ 0,036 W/(m <sup>2</sup> K)
	4.2.3 Thickness	Declared d or tolerance class, T5	-1% or -1 mm / +3 mm
Water permeability	4.3.7.1 Short term water absorption	Declared Wp, WI(t) or WI(p)	$\leq 1$ kg/m <sup>2</sup>
	4.3.7.2 Long term water absorption	Declared Wp, WI(t) or WI(p)	$\leq 3$ kg/m <sup>2</sup>
Water vapour permeability	4.3.8 Water vapour transmission	Declared $\mu$ or Z	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS	20 kPa
	4.3.5 Point load	Declared Fp	250 N
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics <sup>a)</sup>	<sup>b)</sup> DS(70,90)	Length, width and thickness < 1%
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R and $\lambda$ , if possible <sup>c)</sup>	NPD
	4.2.7 Durability characteristics	<sup>d)</sup>	
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces <sup>e)</sup>	Declared TR	50-60 mm: 7,5 kPa 70-300 mm: 10 kPa
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared Xct and Xt	NPD

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

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Neven Vlačić  
Process, Quality and Environment Manager



Signature

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