

DECLARATION OF PERFORMANCE
No 22a/ 2016

1. Unique identification code of the product-type:

ISOLAM d= 50-200 mm

MW-EN 13162-T5-DS(70,90)- CS(10)15-TR7,5-WS –WL(P)-MU1-AWi

2. Intended use or uses of the construction product:

For thermal insulation in the construction industry. For applications covered by the regulations relating to reaction to fire.

3. Manufacturer:

ISOROC POLSKA S.A.

ul. Leśna 30

13-100 Nidzica

Phone: + 48 89 625 03 00

4. System or systems of assessment and verification of consistency of performance

Conformity assessment system 1 and system 3

5. The harmonized standard:

PN-EN 13162+A1:2015-04 "Thermal insulation products for buildings. Factory made mineral wool (MW) products . Specification"

Notified body or bodies: : **System 1 – Polskie Centrum Badań i Certyfikacji S.A. no 1434**
System 3 – Polskie Centrum Badań i Certyfikacji S.A. no 1434

6. Declared performance:

Essential characteristics	Performance	Levels and/or classes	Harmonized technical specification
Thermal resistance	Thermal resistance and thermal conductivity	R _D - Tab. 1 λ _D 0,037 W/mK	PN-EN 13162+A1:2015-04
	4.2.3 Thickness	T5	
Reaction to fire	Euroclass characteristics	A1	
Durability of reaction to fire against heat, weathering, ageing, degradation	Durability characteristics	does not change in time ^a	
Durability of thermal resistance against heat, weathering ageing/degradation	Thermal resistance and thermal conductivity	R _D - Tab. 1 λ _D 0,037 W/mK ^b	
	<i>Durability characteristics</i>	<i>DS(70,90)[≤1%]^c</i>	
Compressive strength	Compressive stress or	CS(10)15[kPa]	

	compressive strength		
	Point load	NPD	
Tensile/Flexural strength	Tensile strength perpendicular to fascies	TR7,5 [kPa]	
Durability of compressive strength against ageing/ degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	WS [$\leq 1 \text{ kg/m}^2$]	
	Long term water absorption	WL [$\leq 3 \text{ kg/m}^2$]	
Water vapour permeability	Water vapour transmission	MU1	
Impact noise transmission index (for floors)	Dynamic stiffness	NPD	
	Thickness, d_t	NPD	
	Compressibility	NPD	
	Air flow resistivity	NPD	
Acoustic absorption index	Sound absorption	d=50-79mm	AW0,90
		d=80-99mm	AW0,95
		d=100-200mm	AW1,00
Direct airborne sound insulation index	Air flow resistivity	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD ^d	
Continuous glowing combustion	Continuous glowing combustion	NPD ^d	

NPD – No performance determined

^aThe 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.

^bThermal 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.

^cFor dimensional stability only thickness

^dEuropean testing methods are going to be developed

Tab.1

Thickness (mm)	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50
RD (m ² *K/W)	5,40	5,10	4,85	4,55	4,30	4,05	3,75	3,50	3,20	2,95	2,70	2,40	2,15	1,85	1,60	1,35

The performance of the product specified above are consistent with a set of declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 sole responsibility of the producer referred to above:

Signed for and on behalf of the manufacturer by

Izabela Markowska – Quality Control Manager ISOROC POLSKA S.A.

(Name and position)

Nidzica, 20.07.2017r.

Markowska Izabela

(Place and date of issue)

(Signature)