ISOROC® POLSKA
Energy saving heat insulation

DECLARATION OF PERFORMANCE
No 01/ 2016

1. Unique identification code of the product-type:

ISOLIGHT d= 50-200 mm

MW-EN 13162-T4-DS(70,90)- CS(10)0,5-WS -WL(P)-MU1

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	T4	
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]	
	Durability characteristics	DS(70,90) [≤1%]	
Compressive strength	Compressive stress or	CS(10)0,5 [kPa]	

	compressive strength		
	Point load	NPD	
Tensile/Flexural strength	Tensile strength perpenduculat to fasces	NPD	
Durability of compressive strenght against ageing/ degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	WS [≤1 kg/m^2]	
	Long term water absorption	WL(P) [≤ 3 kg/m^2]	
Water vapour permeability	Water vapour transmission	MU1	
Impact noise transmission index (for floors)	Dynamic stiffness	NPD	
	Thickness, d_L	NPD	
	Compressibility	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	NPD [d]	
Continuous glowing combustion	Continuous glowing combustion	NPD [d]	

NPD – No performance determined

[a] 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 only thickness

[d] European testing methods are going to developed

Tab.1

Thickness (mm)	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50
R_D (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

Paulina Czechowska – p.o. Quality Control Manager ISOROC POLSKA S.A.

(Name and position)

Nidzica, 30.06.2016r.

Paulina Czechowska

(Place and date of issue)

(Signature)