

**DECLARATION OF PERFORMANCE**  
**№ 23/ 2016**

1. Unique identification code of the product-type:

**ISOROOF-H d=50-160 mm**  
**MW-EN 13162-T3-DS(70,90)-CS(10)50-TR15-PL(5)500-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 <sub>D</sub> - Tab. 1 Λ <sub>D</sub> 0,038 W/mK	PN-EN 13162+A1:2015-04
	4.2.3 Thickness	T3	
Reaction to fire	Euroclass characteristics	A1	
Durability of reaction to fire against heat, weathering, ageing, degradation	Durability characteristics	does not change in time <sup>a</sup>	
Durability of thermal resistance against heat, weathering ageing/ degradation	Thermal resistance and thermal conductivity	R <sub>D</sub> - Tab. 1 Λ <sub>D</sub> 0,038 W/mK <sup>b</sup>	
	Durability characteristics	DS(70,90) [≤1%]	

Compressive strength	Compressive stress or compressive strength	CS(10)50 [kPa]	
	Point load	PL(5) 500 [N]	
Tensile/Flexural strength	Tensile strength perpendicular to fascies	TR 15 [kPa]	
Durability of compressive strength against ageing/ degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	WS [ $\leq 1$ kg/m <sup>2</sup> ]	
	Long term water absorption	WL(P) [ $\leq 3$ kg/m <sup>2</sup> ]	
Water vapour permeability	Water vapour transmission	MUI	
Impact noise transmission index (for floors)	Dynamic stiffness	NPD	
	Thickness, d <sub>L</sub>	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 <sup>d</sup>	
Continuous glowing combustion	Continuous glowing combustion	NPD <sup>d</sup>	

NPD -- No performance determined

<sup>a</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>b</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>c</sup>For dimensional stability only thickness

<sup>d</sup>European testing methods are going to developed

Tab.1

Thickness (mm)	160	150	140	130	120	110	100	90	80	70	60	50
R <sub>D</sub> (m <sup>2</sup> *K/W)	4,20	3,90	3,65	3,40	3,15	2,85	2,60	2,35	2,10	1,80	1,55	1,30

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, 02.03.2017r.

(Place and date of issue)

*Izabela Markowska*

(Signature)