

# Reaction to fire classification report

## 1. Introduction

This classification report specifies classification attributed to: **ISOROOF-H mineral wool panels**, in conformance with the procedures required by EN 13501-1:2007+A1:2009.



## REACTION TO FIRE CLASSIFICATION as per EN 13501-1:2007+A1:2009

**Orderer:** **ISOROC POLSKA S.A.**  
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**13-100 Nidzica**

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**Product name:** **ISOROOF-H mineral wool panels**  
**MW-EN13162-T3-DS(70,90)—CS(10)50-TR15-PL(5)500-**  
**WS-MU1-WL(P) for d=50-160mm**

**Classification report no.:** **14/2016**

**Issue no.** **01**

**Date of issue:** **23-02-2017**

*This classification report has three pages and may be used or reproduced only in whole.*

## 2. Classified product details

### 2.1. General provisions

The product, **ISOROOF-H**, is specified as **mineral wool panels, used for thermal insulation in construction engineering, factory-made as per PN-EN 13162+A1:2015-04.**

## 2.2. Product description

The product, **ISOROOF-H mineral wool panels**, is described below

### Product description

**Mineral wool panels of uniform structure, manufactured within 50-160 mm thickness range, of area mass from 6.75 to 24.0 kg/m<sup>2</sup>, manufactured from mineral fibers, employing resin as bonding agent and water repellent agents,**

## 3. Reports and results constituting basis for classification 3.1.

### Reports

Laboratory name	Ordering party name	Report no.	Test method and date Rules and date of defining scope of application
PCBC SA Construction Products Laboratory	ISOROC POLSKA SA.	603/T/2016	PN-EN ISO 1182:2010 10-02-2017  PN-EN ISO 1716:2010 10-02-2017

## 3.2. Results

Test method and number	Parameter	Number of tests <sup>a</sup>	Results	
			Continuous parameter - mean value (m)	Conformance with parameter
PN-EN ISO 1182:2010	$\Delta T < 30^{\circ}\text{C}$	5	18.67°C	conformant
	$\Delta m < 50\%$		3.95%	conformant
	$t_f = 0\text{s}$		0s	conformant
PN-EN ISO 1716:2010	$Q_{PCS} \leq 2.0 \text{ MJ/kg}^{b,d}$	3	1.007 MJ/kg	conformant
<sup>b</sup> basic ingredient of non-homogenous product <sup>d</sup> for product as a whole				

## 4. Classification and scope of application

### 4.1. Classification basis

The classification is based on the provisions of EN 13501-1:2007+A1:2009 standard.

### 4.2. Classification

The product, **ISOROOF-H mineral wool panels**, has received the following reaction to fire classification: **A1**

In terms of smoke releasing, the product has obtained additional classification: -

In terms of occurrence of flaming beads/particles, the product has obtained additional classification: -  
Reaction to fire classification format for construction products, excluding flooring and linear products for thermal insulation of cords, is as follows:

Fire properties		Smoke release		Flaming drops
<b>A1</b>	-			

## Reaction to fire classification: A1

### 4.3. Scope of application:

This classification applies to the following product parameters:

<b>nominal density</b>	<b>140 kg/m<sup>3</sup>, (-5,+10) kg/m<sup>3</sup></b>
<b>nominal organic compounds content</b>	<b>≤ 4.0%</b>
<b>acc. to Product specification dated 13.12.2016.</b>	<b>-</b>

This classification applies to the following end uses:

***For thermal, acoustic and fire insulation of non-ventilated slab roofs of steel or concrete structure in single-layer system, as insulation of flooring for concrete underlayment.***

### 5. Disclaimers:

This classification document is not a technical approval nor a product certificate.

This report becomes invalid upon introduction of changes to the product or process of its making, or whenever the plant quality control system undergoes material changes.

#### SIGNED BY

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