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Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2007 + A1:2009

Notified Body No:

0833

Product Name:

"KIMMCO ISOVER Stone Wool
slabs/boards"

Report No:

380792

Issue No:

2

Prepared for:

Saudi International Insulation
Manufacturing Co. (SIIMCO),
P.O Box 46478,
Yanbu 41912,
Kingdom of Saudi Arabia.

Date:

6th March 2017



1. Introduction

This classification report defines the classification assigned to "KIMMCO ISOVER Stone Wool slabs/boards", a family of stone wool thermal insulation products, in accordance with the procedures given in EN 13501-1:2007 + A1:2009

2. Details of classified product

2.1 General

"KIMMCO ISOVER Stone Wool slabs/boards", a family of stone wool thermal insulation products, is defined as being suitable for construction applications, excluding linear pipe thermal insulation.

2.2 Product description

The products, "KIMMCO ISOVER Stone Wool slabs/boards", a family of stone wool thermal insulation products, are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description	Mineral wool insulation
Product reference	"KIMMCO ISOVER Stone Wool slabs/boards"
Name of manufacturer	Saudi International Insulation Manufacturing Company "SIIMCO"
Colour reference	"Brown"
Thickness	50mm (stated by sponsor) 55.76mm (determined by Exova Warringtonfire)
Density	150kg/m ³ (stated by sponsor) 146.57kg/m ³ (determined by Exova Warringtonfire)
Generic type of resin	Formaldehyde
Product reference of resin	2.5%
Amount of resin	2.1%
Generic type of oil	Anti-Dusting Oil
Product reference of oil	A creamy light brown water based emulsion in oil
Amount of oil	0.3 % from the total weight
Flame retardant details	See Note 1 Below
Brief description of manufacturing process	See Note 2 Below

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product.

Note 2: The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova Warringtonfire	Saudi International Insulation Manufacturing Co. (SIIMCO)	WF 379047, 379048	EN ISO 1716
Exova Warringtonfire	Saudi International Insulation Manufacturing Co. (SIIMCO)	WF 379045, 379046	EN ISO 1182

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 1716	PCS (MJ/kg)	3, 3	1.64 -1.77	Compliant
EN ISO 1182	ΔT ($^{\circ}C$)	5, 5	7.5 – 16.9	Compliant
	Δm (%)		2.59	Compliant
	t_r (s)		0	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007 + A1:2009.

4.2 Classification

“KIMMCO ISOVER Stone Wool slabs/boards”, a family of stone wool thermal insulation products,, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A1

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications, excluding linear pipe thermal insulation
- ii) Used over any substrate

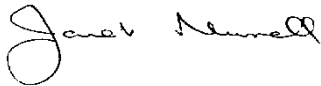
This classification is also valid for the following product parameters:

Product thickness	Any
Product density	40-150 kg/m ³
Product composition	No variation from documented tolerances

5. Limitations

This document does not represent type approval or certification of the product.

SIGNED



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Janet Murrell
Technical Manager

APPROVED



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Matthew Dale
Certification Engineer
on behalf of **Exova Warringtonfire**

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Issue 2: 8th March 2017

Revision History

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