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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:

"Sika Backer Rod Fire"

Report No:

391173

Issue No:

2

Prepared for:

Sika Services AG,
Tüffenwies 16,
8048 Zürich,
Switzerland

Date:

30th October 2017



1. Introduction

This classification report defines the classification assigned to “Sika Backer Rod Fire”, a glass fibre yarn woven into mineral wool insulation product, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, “Sika Backer Rod Fire”, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “Sika Backer Rod Fire”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Glass fibre yarn woven into mineral wool insulation
Product reference		“Sika Backer Rod Fire”
Glass fibre yarn	Generic type	Glass fibre yarn/thread
	Product reference	“Sika Backer Rod Fire Fibre Glass Fabric”
	Name of manufacturer	See Note 1 Below
	Colour reference	“White”
	Thickness	1.5mm
	Density	210kg/m ³
	Flame retardant details	See Note 2 Below
	Brief description of manufacturing process	Single glass fibres woven to yarn
Mineral wool insulation	Generic type	Mineral wool based insulation material
	Product reference	“Sika Backer Rod Fire Mineral Wool Based Core”
	Name of manufacturer	See Note 1 Below
	Colour reference	“Green” “Yellow/Green” (observed by Exova Warringtonfire)
	Density tested	210kg/m ³
	Resin details	See Note 1 Below
	Flame retardant details	See Note 2 Below
	Brief description of manufacturing process	See Note 1 Below

Note 1: The sponsor of the test was unwilling to provide this information.

Note 2: The sponsor of the test has confirmed that no flame retardants were used in the production of this component.

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Sika Services AG	WF No. 389196 / WF No. 389197	EN ISO 1182
Exova warringtonfire	Sika Services AG	WF No. 389194 / WF No. 389195	EN ISO 1716
Exova warringtonfire	Sika Services AG	Issue 2 WF No. 391124	EN ISO 1716 Composite summary

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 1182 (Glass Fibre Yarn)	ΔT	5	5.1	Compliant
	Δm		1.35	
	tr		Nil	
EN ISO 1182 (insulation)	ΔT	5	3.5	Compliant
	Δm		1.75	
	tr		Nil	
EN ISO 1716	Glass fibre - PCS (a,e)	3	0.4878MJ/kg	Compliant
	Insulation - PCS (a,e)	3	0.6100MJ/kg	Compliant
	For the product as a whole – PSC (e)	Summary result	0.5673MJ/kg	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

The product, "Sika Backer Rod Fire", a glass fibre yarn woven into mineral wool insulation product, 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

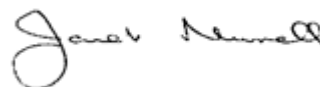
This classification is also valid for the following product parameters:

Overall product thickness
Overall product weight per unit area
Product composition
Mineral wool organic content

Any thickness
No variation allowed
No variation allowed
10% variation allowed in the PCS
value of the mineral fibre
component of the product

SIGNED

APPROVED



.....
Jennifer Lucas-Cox
Certification Engineer

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Janet Murrell
Technical Manager
on behalf of **Exova warringtonfire**

Revision History

Issue No : 2	Re-issue Date: 30 th October 2017
Revised By: J. Lucas-Cox	Approved By: J. Murrell
Reason for Revision: This document replaces Issue 1 (dated 27 th October 2017) of the same number which has been withdrawn. The sponsor has requested that an amendment be made to the product reference.	

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