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Storbritannien

Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the product “Infiniti HGF” in accordance with the procedure given in EN 13501-1:2007+A1:2009.

This report replaces RISE report 7P01270-1, dated May 8, 2017. The previous report is not valid and should be destroyed. This revision includes an update of the end use application of the product.

2.1 General

The product “Infiniti HGF” is defined as a high pressure laminate. Its classification is valid for the following end use applications:

Interior horizontal and vertical applications for kitchen countertops, backsplashes, breakfast bars and wall cladding.

According to the owner of this classification report, this product complies with the European product specification EN 438-7:2005.

2.2 Product description

The product, Infiniti HGF, is fully described below or is fully described in the test reports provided in support of classification listed in Clause 3.1.

According to information provided by the client, the product has the following composition:

Wall/ceiling covering, called “Infiniti HGF”. The product is built up by a core of calcium silicate nominal thickness 8.4 mm with a facing and backing of HGF laminate nominal thickness from 0.7 mm on each side. The product as a whole has a density of 920 kg/m³ and a thickness of 9.8 mm.

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3 Test report & test results in support of classification

3.1 Test report

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test methods
SP	Formica Limited	7P01270	EN 13823 EN ISO 11925-2

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		12		
Edge/Surface flame attack				
30 s exposure	$F_s \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		4		
	$FIGRA_{0,2MJ}$ (W/s)		172	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		119	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	THR_{600s} , (MJ)		2.9	Compliant
	$SMOGRA$, (m ² /s ²)		8.9	Compliant
	TSP_{600s} , (m ²)		44	Compliant
	Flaming droplets/particles		(-)	No flaming droplets

(-) : not applicable

4 Classification and field of application

4.1 Reference and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product called “Infiniti HGF” in relation to its reaction to fire behaviour is classified:

C

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming particles/droplets is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation product is:

Fire Behaviour		Smoke Production			Flaming Droplets	
C	-	s	1	,	d	0

Reaction to fire classification: *C-s1,d0*

4.3 Field of application:

This classification is valid for the following product parameters:

Nominal thickness of HGF layers: ≥ 0.7 mm.

Nominal density for the product as a whole: 920 kg/m³

This classification is valid for the following end use conditions:

Substrates

- Any end use substrate of Euroclasses A1 or A2-s1,d0 at least 9 mm thick, having a density $\geq 652 \text{ kg/m}^3$.

Joints

- Horizontal and vertical joints.

Void

- Wood scantlings creating a void.

The sample was delivered by the client. RISE Safety - Fire Research was not involved in the sampling procedure.

5 Limitations

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

RISE Research Institutes of Sweden AB Safety - Fire Research Materials

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