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Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the product "Even Better" in accordance with the procedure given in EN 13501-1:2007.

2 Details of classified product

2.1 General

The product "Even Better" is defined as a sound absorption plaster applied on an absorbent.

2.2 Product description

The product, "Even Better", is fully described in the test reports provided in support of classification listed in Clause 3.1.

3 Test reports & test results in support of classification

3.1 Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	Fellert Acoustical Ceilings AB	PX24630-1	EN 13823
SP	Fellert Acoustical Ceilings AB	FX200597 rev. 1	EN ISO 1716

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		73	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		54	Compliant
	LFS < edge		(-)	Compliant
	THR_{600s}, (MJ)		1.2	Compliant
	SMOGRA, (m^2/s^2)		0	Compliant
	TSP_{600s}, (m^2)		33	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles
EN ISO 1716		6		
	PCS (MJ/kg) (1)		0.76	Compliant
	PCS (MJ/m^2) (2)		2.5	Compliant
	PCS (MJ/kg) (4)		2.5	Compliant

(-) : not applicable
(1): for non-homogeneous products the parameter for each substantial component is given
(2): for non-homogeneous products the parameter for each external non-substantial component is given
(4): the parameter for the product as a whole

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.

4.2 Classification

The product called "Even Better" in relation to its reaction to fire behaviour is classified:

A2

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	
A2	**-**	**s**	**1**	**,**	**d**	**0**

Reaction to fire classification: *A2-s1,d0*

4.3 Field of application:

This classification is valid for the following product parameters:

Plaster

Nominal thickness: 0.9 mm.

Nominal area weight: 476 g/m^2.

Absorbent

Minimum thickness: 25 mm.

Nominal density: 96 kg/m^3.

Maximum PCS: 2.5 MJ/kg.

This classification is valid for the following end use conditions:

Substrates

- Gypsum plasterboard (paper faced) and any end use substrate of Euroclasses A1 or A2 at least 12 mm thick, having a density ≥ 525 kg/m^3.

Fixings

- Absorbent: Mechanically fixed or glued.
- Plaster: Spray application

The sample was delivered by the client. SP Fire Technology was not involved in the sampling procedure.

5 Limitations

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

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