

Fellert Acoustical Ceilings AB
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Reaction to fire classification report

1 Introduction

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

2 Details of classified product

2.1 General

The product “Even Better with acoustical coating” is defined as a sound absorption plaster applied on an absorbent.

2.2 Product description

The product, Even Better with acoustical coating, 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	5P02251	EN 13823 EN ISO 11925-2

SP Technical Research Institute of Sweden

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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		3		
	$FIGRA_{0,2MJ}$ (W/s)		41	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		28	Compliant
	$LFS < edge$		(-)	Compliant
	THR_{600s} (MJ)		1.9	Compliant
	$SMOGRA$, (m ² /s ²)		0	Compliant
	TSP_{600s} (m ²)		28	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

** : as required to the end use application of the product
 (-) : 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 “Even Better with acoustical coating” in relation to its reaction to fire behaviour is classified:

B

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	
B	-	s	1	,	d	0

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

4.3 Field of application:

This classification is valid for the following product parameters:

Plaster

Nominal thickness: 3 mm.

Nominal area weight: 625 g/m².

Absorbent

Mineral wool, minimum thickness: 25 mm.

Mineral wool, nominal density: 96 kg/m³.

Acoustical coating

Acoustical coating, nominal amount: 0.19 lit/m².

Acoustical coating, nominal density: 1.29 kg/dm³.

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/m³.

Fixings

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

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

5 Limitations

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

SP Technical Research Institute of Sweden Fire Research - Fire Dynamics

Performed by



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Examined by



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