

Amal House AH Production AB
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Reaction to fire classification report

1 Introduction

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

2 Details of classified product

2.1 General

The product "Dalhem Ribba Ceiling" is defined as a suspended ceiling material. Its classification is valid for use in suspended ceilings.

According to the owner of this classification report, this product complies with the European product specification EN 13964.

2.2 Product description

The product, "Dalhem Ribba Ceiling", 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 reports listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method / extended application rules & date
SP	Amal House AH Production AB	FX217279	ISO 11925-2
SP	Amal House AH Production AB	PX24310	EN 13823

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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		6		
Surface flame attack**				
30 s exposure	$F_s \leq 150 \text{ mm}$		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN ISO 11925-2		6		
Edge attack**				
30 s exposure	$F_s \leq 150 \text{ mm}$		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ} \text{ (W/s)}$			Compliant
	$FIGRA_{0,4MJ} \text{ (W/s)}$			Compliant
	$LFS < \text{edge}$			Compliant
	$THR_{600s} \text{ (MJ)}$			Compliant
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$			Compliant
	$TSP_{600s} \text{ (m}^2\text{)}$			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.

4.2 Classification

The product called “Dalhem Ribba Ceiling” 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:

Composition: see report PX24310

This classification is valid for the following end use conditions:

Substrate

- Any end use substrate of Euroclasses A1 or A2 at least 11 mm thick, having a density $\geq 652 \text{ kg/m}^3$.

Mounting

- The product is mechanically fixed using a frame work called RB10 and clips called CF4 clips.

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.

SP Technical Research Institute of Sweden Fire Technology - Fire Dynamics

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