

Classification of reaction to fire in accordance with EN 13501-1

1 Introduction

This classification report defines the classification assigned to paint systems “Capafree” in accordance with the procedure given in EN 13501-1:2018.

2 Details of classified product

2.1 General

The product “Capafree” is defined as paint systems for indoor use.

2.2 Product description

The paint systems, “Capafree”, is fully described below.

According to information provided by the client, the products have the following composition:

The paint systems are built up on gypsum plasterboard with Euroclass A2-s1,d0, with a nominal density of 700 kg/m³ and a nominal thickness of 12,5 mm.

Table 1:

	Primer Nominal amount (g/m ²)	Top coat Nominal amount (g/m ²)
System 1	Capafree 7 (175 g/m ²)	Capafree 7 (175 g/m ²)
System 2	Capafree 2 (175 g/m ²)	Capafree 7 (175 g/m ²)
System 3	Supertäck grund (175 g/m ²)	Capafree 7 (175 g/m ²)

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3 Reports and results in support of this classification

3.1 Test report

Table 2. Test report forming the basis for this classification.

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date
RISE	DAW Nordic AB	9P02995	13823:2010+A1:2014 and EN ISO 11925-2:2010/AC:2011

3.2 Test results

Table 3. Test results showing the worst case as found in the test program performed

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2		20		
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		5		
	$FIGRA_{0,2MJ}$ (W/s)		89	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		20	Compliant
	$LFS < edge$		(-)	Compliant
	THR_{600s} , (MJ)		0.9	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 of classification

This classification has been carried out in accordance with clause 11 and 15 of EN 13501-1:2018.

4.2 Classification

The product called “Capafree” 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: combination of primer and topcoat, see table 1 in this report.

Nominal amount of topcoat: see table 1 in this report.

Nominal amount of primer: see table 1 in this report.

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-s1,d0 at least 12 mm thick, having a density $\geq 525 \text{ kg/m}^3$.

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.

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