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Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the products “Photowall Standard” and “Photowall Premium” in accordance with the procedure given in EN 13501-1:2007+A1:2009.

2 Details of classified product

2.1 General

The products “Photowall Standard” and “Photowall Premium” are defined as wallcoverings. According to the owner of this classification report, these products complies with the European product specification EN 15102.

2.2 Product description

The products, “Photowall Standard” and “Photowall Premium”, are fully described below. According to the client:

Product called “Photowall Standard”, consisting of cellulose, polyester, binder and fillers. The product has a nominal area weight of 150 g/m² and a nominal thickness of 0.187 mm.

Product called “Photowall Premium”, consisting of cellulose, polyester, binder, fillers, covered with a laminated surface. The product has a nominal area weight of 150 g/m² and a nominal thickness of 0.187 mm.

3 Test reports

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
SP	Nordic E Trade AB	5P00794	EN 13823
SP	Nordic E Trade AB	5P00794	EN ISO 11925-2

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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		24		
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		6		
	$FIGRA_{0,2MJ}$ (W/s)		168	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		125	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	THR_{600s} , (MJ)		1.4	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 products called “Photowall Standard” and “Photowall Premium” in relation to their 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: 0.187 mm.

Nominal area weight: 150 kg/m².

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 ≥ 525 kg/m³.

Fixings

- Wallcovering adhesive, non-woven glue, nominal glue amount 1 litre glue covers 5 m².

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.

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