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

1 Introduction

This classification report defines the classification assigned to “Photowall Premium Matt” in accordance with the procedure given in EN 13501-1:2018.

2 Details of classified product

2.1 General

The product “Photowall Premium Matt” is defined as a decorative wallcoverings. Its classification is valid for the following end use application: wallcoverings

According to the owner of this classification report, this product complies with the European product specification EN 15102:2007+A1:2011.

The sample was delivered by the client. RISE, Fire and Safety was not involved in the sampling procedure.

2.2 Product description

The product, Photowall Premium Matt, is fully described below or is fully described in the test reports provided in support of classification listed in Clause 3.1.

According to the client:

Wall covering product called “Photowall Premium Matt”. Consisting of 180 g/m² non-woven material. The non-woven material consists of 89 percent cellulose and 11 percent polyester.

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Accred. No. 1002
Testing
ISO/IEC 17025

3 Reports and results in support of this classification

3.1 Test reports

Table 1 Test report forming the basis for this classification.

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date
RISE	Nordic E Trade AB	O100741-1314454	EN 13823:2020+A1:2022 and EN ISO 11925-2:2020
RISE	Nordic E Trade AB	O100741-1314454-1	EN 13823:2020+A1:2022 and EN ISO 11925-2:2020

3.2 Test results

Table 2 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		12	
Edge/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 13823		8	
	$FIGRA_{0,2MJ} \text{ (W/s)}$	173	Compliant
	$FIGRA_{0,4MJ} \text{ (W/s)}$	124	Compliant
	$LFS < \text{edge}$	(-)	Compliant
	$THR_{600s} \text{ (MJ)}$	1.4	Compliant
	$SMOGR_A \text{ (m}^2/\text{s}^2\text{)}$	0	Compliant
	$TSP_{600s} \text{ (m}^2\text{)}$	14	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 “Photowall Premium Matt” in relation to its 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

i.e. A1 to F (as applicable) – s1, 2 or 3 (as applicable), d0, 1 or 2 (as applicable)

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

4.3 Field of application:

This classification is valid for the following product parameters:

Product description, as specified in 2.2 in this report

Nominal area weight: 180 g/m².

Colour range: All colours.

This classification is valid for the following end use conditions:

Substrates

- Gypsum plasterboard (paper faced) and any end use substrate of Euroclass A1 or A2-s1,d0 at least 12 mm thick. Having a density $\geq 525 \text{ kg/m}^3$.

Fixings

- Wallcovering adhesive, non-woven glue, nominal glue amount 270 g/m² (wet).
 - Dry content is 79 – 80 % water soluble potato starch and 20 % styrene-butadiene copolymer.

Joints

- Vertical joints.

5 Limitations

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

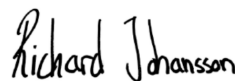
RISE Research Institutes of Sweden AB Fire and safety - Reaction to Fire Medium Scale Lab

Performed by



Haniyah Ashtiani

Examined by



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Verifikat

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Dokument

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