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O100741-1234823-1

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Compositbalkonger Fällfors AB
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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 “Balkong” in accordance with the procedure given in EN 13501-1:2018.

2 Details of classified product

2.1 General

The product “Balkong” is defined as a surface layer. Its classification is valid for the following end use application: Ceiling and wall linings.

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

2.2 Product description

According to the client:

Product called “Balkong”, consisting of the following layers:

Layer 1: Dion FR 820-M878, with a nominal area weight of 2.5 kg/m² and a nominal thickness of 2.5 mm.

Layer 2: Dion FR 840-M860, with a nominal area weight of 0.5 kg/m² and a nominal thickness of 0.5 mm.

The layers are applied on plywood.

End use of the material: Ceiling. The colour of the product is white.

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Confidentiality level

C3 - Sensitive

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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 reports

Name of laboratory	Name of sponsor	Test report reference no	Accredited test methods and date
RISE	Compositbalkonger Fällfors AB	9P05675	EN 13823:2010+A1:2014
RISE	Compositbalkonger Fällfors AB	O100741-1234823	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	$F_s \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		119	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		30	Compliant
	$LFS < \text{edge}$		(-)	Compliant
	THR_{600s} , (MJ)		1.2	Compliant
	$SMOGRA$, (m ² /s ²)		15	Compliant
	TSP_{600s} , (m ²)		71	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 “Balkong” in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

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	2	,	d	0

Reaction to fire classification: *B – s2,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 thickness: 3 mm.

Nominal area weight: 3 kg/m².

This classification is valid for the following end use conditions:

Substrate

- Plywood substrate with a thickness of ≥ 25 mm.

Mounting

- Air cavities on both sides, or with no air cavities

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



Susanne Blomqvist

Examined by



Per Thureson

Verifikat

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