

Burnblock ApS
 Wilders Plads 8A 1
 DK-1403 KØBENHAVN K
 Danmark

Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the product “Thermo Ayous (Wawa / Abachi / Samba)” in accordance with the procedure given in EN 13501-1:2007+ A1:2009.

2 Details of classified product

2.1 General

The product “Thermo Ayous (Wawa / Abachi / Samba)” is defined as a solid wood panel. Its classification is valid for use as lining.

According to the owner of this classification report, this product complies with the European product specification EN 14915.

2.2 Product description

According to information provided by the client, the product has the following composition:

Fire retardant treated solid wood panel called “Thermo Ayous (Wawa / Abachi / Samba)”. The product has a nominal density of 400 – 700 kg/m³ and a nominal thickness of 15 mm. The dry amount of added Burnblock flame retardant is 30 – 58 kg/m³.

The fire retardant is applied to the wood panel in a vacuum-pressure impregnation process.

3 Test reports & test results in support of classification

3.1 Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
RISE	Burnlock ApS	8P00680-2	EN 13823 (SBI)

RISE Research Institutes of Sweden AB

Postal address	Office location	Phone / Fax / E-mail
Box 857	Brinellgatan 4	+46 10 516 50 00
SE-501 15 BORÅS	SE-504 62 BORÅS	+46 33 13 55 02
Sweden		info@ri.se

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3.2 Test results

The protocol on fire testing and classification of GNB-CPD position paper NB-CPD/SH02/12/096 (issued 21 December 2012), from the Group of Notified Bodies for the Construction Products Directive, has been applied in the process of testing. According to section 5.1, testing in accordance with EN ISO 11925-2 was not performed.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN 13823		3		
	<i>FIGRA</i> _{0,2MJ} (W/s)		62	Compliant
	<i>FIGRA</i> _{0,4MJ} (W/s)		38	Compliant
	<i>LFS</i> < edge		(-)	Compliant
	<i>THR</i> _{600s} , (MJ)		3.0	Compliant
	<i>SMOGRA</i> , (m ² /s ²)		0.7	Compliant
	<i>TSP</i> _{600s} , (m ²)		39	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

(-) : 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 product called “Thermo Ayous (Wawa / Abachi / Samba)” 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:

Wood species: Thermo Ayous.

Nominal thickness: 15 mm.

Nominal density: 400 – 700 kg/m³.

Fire retardant: Burnblock, dry uptake 30 – 58 kg/m³.

This classification is valid for the following end use conditions:

Substrates

- Any end use substrate of Euroclasses A1 or A2-s1,d0 at least 9 mm thick, having a density ≥ 652 kg/m³.

Fixings

- Mechanically fixed against the substrate in a vertical orientation.

Void

- No void.

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.

RISE Research Institutes of Sweden AB
Safety - Fire Research, Fire Dynamics

Performed by

Examined by

Anna Bergstrand

Per Thureson