

CLASSIFICATION REPORT OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2018

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Product name: AMOTHERM Wood 451 SB + AMOTHERM Wood 451 TOP SB

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1 Introduction

This classification report defines the reaction to fire classification assigned AMOTHERM Wood 451 SB + AMOTHERM Wood 451 TOP SB in accordance with the procedures given in EN 13501-1:2018.

2 Details of classified product

2.1 General

The product AMOTHERM Wood 451 SB + AMOTHERM Wood 451 TOP SB is defined as a fire protection solvent based paint system for wood. End use application(s): Wood substrates painting for walls or ceilings.

2.2 Description

The product AMOTHERM Wood 451 SB + AMOTHERM Wood 451 TOP SB is fully described in the test report(s) and classification report in support of classification listed in 3.1.

3 Test report(s) / Classification report(s) and test result(s) in support of the classification

3.1 Test report(s) / Classification report(s)

Name of laboratory	Name of sponsor	Report ref. No	Test / Classification method
CSI S.p.A.	AMONN FIRE S.r.l.	0065/DC/REA/09_1	EN 13823
CSI S.p.A.	AMONN FIRE S.r.l.	0065/DC/REA/09_2	EN ISO 11925-2
CSI S.p.A.	AMONN FIRE S.r.l.	0228/DC/REA/10_1	EN 13501-1

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN ISO 11925-2	Flame spread (Fs) $\leq$ 150 mm	6	Yes	Compliant
Flame on surface:	Flame spread (Fs) $\leq$ 150 mm	6	Yes	Compliant
Flame on edge:	Ignition filter paper	12	No	Compliant
Exposure time 30s	Flaming droplets /particles		No	Compliant
EN 13823	FIGRA _{0,2MJ} (W/s)	3	11,4	(-)
	FIGRA _{0,4MJ} (W/s)		11,4	(-)
	THR _{600s} (MJ)		1,2	(-)
	LFS < edge of specimen		Yes	Compliant
	SMOGR _A (m ² /s ²)		0	(-)
	TSP _{600s} (m ²)		30.6	(-)
	Flaming droplets <10s		No	Compliant
	Flaming droplets >10s		No	Compliant
(-) not applicable				

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4 Classification and field of application

4.1 Reference of classification

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

4.2 Classification

The AMOTHERM Wood 451 SB + AMOTHERM Wood 451 TOP SB 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 droplets/particles is:

d0

The format of the reaction to fire classification for construction product excluding floorings and linings 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 end-use applications:

Product primary is intended to be used as wood substrate panelling and cladding for wall installations in buildings.

This classification is also valid for the following product parameters:

- valid for every wood-based substrate with the density of material $\geq 680 \pm 50 \text{ kg/m}^3$ with a thickness $\geq 12 \pm 2 \text{ mm}$ as tested;
- valid only for product compositions and treatment as tested - FP system treatment: 360 g/m^2 [200 g/m^2 fire proofing base coat + 160 protective top coat g/m^2];
- valid for product mounting without an air gap;
- Valid for any colour.

5 Limitations

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

Approved by:

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Technical Expert

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Signature:



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