

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1: 2007

No. of classification report:

K-3365/440/09-MPA BS

Sponsor:

STANCOLAC FOTIOU S.A.
29th Octobriou 129
56123 Ambelokipi, Thessaloniki
Greece

Subject of classification:

Intumescent coating product for fire protection
of wood and timber derivatives named as:
T-600 STANCOTHERM

Base of classification:

DIN EN 13501-1

Prepared by::

MPA Braunschweig
Germany

Notified Body No.:

0761-CPD

Date of issue:

26.02.2009

Limitations:

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



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Materialprüfanstalt (MPA)
für das Bauwesen
Beethovenstraße 52
D-38106 Braunschweig

Fon +49 (0)531-391-5400
Fax +49 (0)531-391-5900
info@mpa.tu-bs.de
www.mpa.tu-bs.de

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1 General Information

This classification report defines the classification assigned to the product "T-600 STANCOTHERM" of the company "STANCOLAC FOTIOU S.A." in accordance with the procedures given in DIN EN 13501-1 : 2007.

2 Details of classified product

2.1 End-use application

The product is a transparent water-based intumescent coating for the internal use of the fire protection of timber and wood derivatives. It consists of two liquid compounds.

2.2 Description of the products

The products are fully described in the test reports in support of this classification listed in clause 3.1.

3 Test reports and test results in support of this classification

3.1 Test reports

Name of laboratory	Name of sponsor / manufacturer	Test report number	Test method
MPA Braunschweig	STANCOLAC FOTIOU S.A.	3365/440/09-a	DIN EN 13823
MPA Braunschweig	STANCOLAC FOTIOU S.A.	3365/440/09-b	DIN EN ISO 11925-2

3.2 Test results

3.2.1 Test results for the product "T-600 STANCOTHERM"

Test method	Parameter	Number of tests	Test results	
			Continuous Parameters (mean values)	Compliance Parameters
EN 13823	FIGRA _{0,2 MJ}	3	38	-
	FIGRA _{0,4 MJ}	3	18	-
	THR _{600s} (MJ)	3	3,0	-
	LFS < Edge	3	--	yes
	SMOGRA (m ² /s ²)	3	2	-
	TSP _{600s} (m ²)	3	48	-
	Flaming droplets / particles	3	-	no
EN ISO 11925-2				
	Surface flame attack 30 s			
	Fs ≤150 mm	6	-	yes
	Ignition of filter paper	6	-	no
Edge flame attack 30 s				
	Fs ≤150 mm	6	-	yes
	Ignition of filter paper	6	-	no

4 Classification and direct field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1 : 2007.

4.2 Classification

The products in relation to its fire behaviour is classified:

T-600 STANCOTHERM	B
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The additional classification in relation to smoke production is:

T-600 STANCOTHERM	s1
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The additional classification in relation with burning droplets/particles is:

T-600 STANCOTHERM	d0
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The format of the reaction to fire classification for construction products excluding floorings is:

Fire behaviour	Smoke production	Flaming droplets
B	s1	d0

The classification in accordance with EN 13501-1:2007 is:

T-600 STANCOTHERM : B-s1,d0

4.3 End-use application and product parameters

The classification in clause 4.2 only applies to the products described in clause 2 and is only valid for the following product parameters and applications:

End-use application:	Fire protection of internal timber and wood derivatives
Substrate:	Timber and wood derivatives of fire performance class D-s2,d0 and better
Rate:	T-600 STANCOTHERM: ≥ 450 g/m ² ,
Thickness range:	Substrates of fire performance classes B, C and D: ≥ 12 mm, Substrates of fire performance classes A1 and A2: ≥ 6 mm.

5 Limitations

5.1 Used with other substrates, undergrounds or with additional other coatings than given in clause 4.3 the performance is likely to be influenced so negative, that the given classification in clause 4.2 is no longer valid. Fire performance with other substrates or with additional coatings is to be tested and classified separately.

5.2 This classification report does not represent approval or certification of the product.

Rohling
ORR Dr.-Ing. A. Rohling
Head of testing laboratory



i.A. *Hans-Jürgen Herbst*
Dipl.-Phys. H. J. Herbst
Official in charge

Braunschweig, 26. February 2009