

Reaction to fire classification report

1. Introduction

This classification report defines the classification assigned to *INSULATING PAINT PSC-250T-HP* produced by *ALPHA Construction AG* in accordance with the procedures given in EN 13501-1+A1:2010



**Institute of Ceramics
and Building
Materials**

Division of Glass and Building Materials in Krakow
31-983 Krakow, Cementowa 8 Str.

tel.: +48 12 683 79 00

www.icimb.pl

fax: +48 12 683 79 01

info_krakow@icimb.pl

Department of Gypsum and Building Chemistry

tel.: +48 12 683 79 77

m.niziurska@icimb.pl

*Institute of Ceramics and Building Materials is a Notified Body no. 1487
In the field of reaction to fire*

CLASSIFICATION OF REACTION TO FIRE

IN ACCORDANCE WITH EN 13501-1+A1:2010

Sponsor	ALPHA Construction AG Bahnhofstrasse 21, 6301 Zug, Switzerland
Prepared by	<i>Institute of Ceramics and Building Materials</i> <i>Division of Glass and Building Materials</i> <i>ul. Cementowa 8, 31 – 983 Kraków</i> <i>Department of Gypsum and Building Chemistry</i>
Notified Body No	1487
Product name	INSULATING PAINT PSC-250T-HP
Classification report No	SG-21/18/N
Issue number	1
Date of issue	16.02.2018
This classification report consists of three pages and may only be used or reproduced in its entirety	

2. Details of classified product

2.1 General

The product, *INSULATING PAINT PSC-250T-HP* is defined as heat-insulating spray paint complies with the requirements of EN 1542: 2000.

Classification report No	<i>SG-21/18/N</i>
---------------------------------	-------------------

2.2 Product description

The product, *INSULATING PAINT PSC-250T-HP*, is described below or is described in the test reports provided in support of classification listed in 3.1.

Product description:
<i>INSULATING PAINT PSC-250T-HP</i> , thickness of application - appx 2 mm

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports Nos.	Test method
Department of Gypsum and Building Chemistry Institute of Ceramics and Building Materials	<i>ALPHA Construction AG Bahnhofstrasse 21, 6301 Zug, Switzerland</i>	49/18/SG/N	EN 13823:2010
Department of Gypsum and Building Chemistry Institute of Ceramics and Building Materials	<i>ALPHA Construction AG Bahnhofstrasse 21, 6301 Zug, Switzerland</i>	50/18/SG/N	EN ISO 11925-2:2010

3.2 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN 13823:2010 49/18/SG/N	<i>FIGRA_{0,2 MJ} [W/s]</i>	3	45,27	not applicable
	<i>FIGRA_{0,4 MJ} [W/s]</i>		12,66	not applicable
	LFS < till edge		not applicable	yes
	THR _{600s} [MJ]		1,08	not applicable
	SMOGRA [m ² /s ²]		0,00	not applicable
	TSP _{600s} [m ²]		22,90	not applicable
	Burner substantially disturbed/choked		not applicable	no
EN ISO 11925-2:2010 50/18/SG/N	F _s ≤ 150 mm during 60 s	12	not applicable	yes

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1+A1:2010

4.2 Classification

The product, *INSULATING PAINT PSC-250T-HP* in relation to its reaction to fire behaviour is classified:

Classification report No	SG-21/18/N
---------------------------------	------------

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 products excluding floorings and linear pipe thermal insulation products 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 *INSULATING PAINT PSC-250T-HP*, described in Section 2.2 of this report classification.

The classification refers to the product applied to non-flammable substrates classified A1 or A2, s1-d0 in reaction to fire classification.

This classification corresponds to the *INSULATING PAINT PSC-250T-HP* produced by *ALPHA Construction AG* as **non-ignitable, no smoke**.

5. Limitations

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


The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 2+ attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 2+ attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

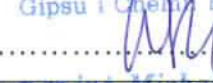
SIGNED

signature of person undertaking classification


APPROVED

signature of person authorising this report

Z-ca Kierownika Zakładu
Gipsu i Chemii Budowlanej



mgr inż. Michał Wińczorek