

Classification of fire behaviour in accordance with DIN EN 13501-1 : 2007

No. of classification report:

K-3083/225/07-MPA BS

Client:

Auro Pflanzenchemie AG
Alte Frankfurter Straße 211
38002 Braunschweig/Germany

Subject matter:

Interior wall paint, referred to as:
"AURO Airfresh wall paint (no. 328)"

Order:

Classification of fire behaviour according to DIN EN 13501-1

**Number of notified
test centre:**

0761-CPD

Date of issue:

31 March 2008

Note:

This classification report does not apply if the tested construction material is used as construction product in terms of the State Building Regulations (Model Building Code MBO § 17, section 3). This classification report does not replace any analysis / proof required by building laws / the building authority according to the State Building Regulations.

This classification report consists of 5 pages.



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Notified body (0761-CPD)
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1 Preamble

This classification report defines the fire classification assigned to the product "Auro Airfresh wall paint (no. 328)" of the company AURO Pflanzenchemie AG on the basis of the method specified in EN 13501-1 : 2007.

2 Tasks related to the classified construction product

2.1 Type and application range

The construction product "Airfresh wall paint (no. 328)" is used as coating for ceilings and walls inside.

The product consists of water, white lime hydrate, mineral fillers, catalytically effective pigments and colophony glycerol ester as lime soap.

2.2 Description of the construction product

The product is described in detail in the test reports specified in section 3.1 which form the basis of the classification.

3 Test report and test results for the classification

3.1 Test reports

Name of test laboratory	Client	Number of test report	Test method
MPA Braunschweig	AURO Pflanzenchemie AG	3083/225/07-a	DIN EN 13823
MPA Braunschweig	AURO Pflanzenchemie AG	3083/225/07-b	DIN EN ISO 11925-2

3.2 Test results

Test method	Parameters	Number of tests	Steady parameters (mean value)	Test results
				Discrete parameters
DIN EN 13823	FIGRA _{0,2 MJ}	3	0.0	-
	FIGRA _{0,4 MJ}	3	0.0	-
	THR 600s (MJ)	3	0.2	-
	LFS < edge	3	-	yes
	SMOGRA (m ² /s ²)	3	0.4	-
	TSP _{600s} (m ²)	3	20.6	-
	Dripping / dropping burning	3		no
EN ISO 1716*	PCS subst. (MJ/kg)	3	0	-
	PCS n.subst.1 (MJ/kg)	5	14.95	-
	PCS n.subst.1 (MJ/m ²)	5	2.92	-
	PCS n.subst.2 (MJ/kg)	5	14.95	-
	PCS n.subst.2 (MJ/m ²)	5	2.92	-
	PCS n.subst.3 (MJ/kg)	3	0.92	-
	PCS n.subst.3 (MJ/m ²)	3	0.15	-
	PCS total (MJ/kg)	...	0.47	-

subst.: gypsum core

n.subst.1: plasterboard front side

n.subst.2: plasterboard rear side

n.subst.3: coating "AURO Airfresh wall paint no. 328" (coverage: 2 x 160 g/m²)

4 Classification and direct application range

4.1 Basics of the classification

This classification was made in accordance with section 11 of DIN EN 13501-1 : 2007.

4.2 Classification

The following fire behaviour class is assigned to "AURO Airfresh wall paint (no. 328)":

A2

The additional classification of smoke development is:

S1

The additional classification referring to "dropping burning / dripping burning" is:

d0

With the exception of floor coverings, the classification format for the fire behaviour of construction products for the afore-mentioned product is:

Product	Fire behaviour	Smoke development	Dropping burning parts
Auro Airfresh wall paint (no. 328)	A2	S1	d0

The classification of the coating in combination with a mineral substrate is as follows:

Classification of fire behaviour: A2-s1, d0

4.3 Application range and product parameters

The classification in section 4.2 only applies to the construction product described in section 2 used for the coating of mineral substrates for the following application ranges and product parameters respectively:

- Coverage: two coats of 0.16 kg/m² max. each
- Density of liquid coating: 1340 kg/m³ ± 30 kg/m³
- Use on all substrates of fire behaviour class A1 and A2-s1, d0

5 Notes

- 5.2 In combination with inflammable construction materials, other substrates or additional coatings other than those specified in section 4.3, the fire behaviour may be influenced in such an unfavourable way that the classification in section 4.2 no longer applies. The fire behaviour in combination with inflammable construction materials, other substrates and additional coatings is to be analysed separately.
- 5.3 This classification report is no type approval or product certification and does not replace any analysis / proof required by building laws / the building authority according to the State Building Regulations.

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Head of test centre



p.p.
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Person in charge

Braunschweig, 31 March 2008

Translated from German original document.