



Classification Report to Burning Behaviour

Report on Classification the burning behaviour of the building product
„Alucobond A2 – Bonded System“

Report No. 03110516AEE

Date: 27/07/2004

IBS-KI/ko

Applicant:

Alcan Singen GmbH
Alusingen-Platz 1
D-78224 Singen

Date of Application:

17/10/2003

**Subject of
Classification:**

„Alucobond A2 – Bonded System“

Tested Bond Dimensions:

3 - 6 mm

Short evaluation:

In agreement to EN 13501-1:2002 the mentioned building product is ranked into the European Class **A2 – s1, d0** because of its burning behaviour. The classification of the burning behaviour and the therefore valid practical range of application are obvious by the representational classification report.

This report contains:

6 text pages

The duplication of this classification report in extracts is only allowed with written authorisation from the IBS.

Due to the BGBl. 468/1992 by notification of the Federal Ministry for Buildings and Engineering national accredited for tests on the specific field of material testing on behaviour against impact of fire as well as tests, proving and material proving on gear and installations on fire prevention.

1.) Introduction:

This classification report defines the classification which is assigned to the building product „Alucobond A2 – Bonded System” in agreement to the in EN 13501-1 stated method.

2.) Details of the classified building product:

2.1) Type and application range:

The building product „Alucobond A2 – Bonded System” is defined as a „kind of classified building product”. Its classification is true for the application range mentioned under 5.).

2.2) Description:

The building product „Alucobond A2 – Bonded System” is completely described in the test report mentioned under 3.1) which underlies the classification.

3.) Test reports and results which underlie the classification:

3.1) Test reports:

Name of the laboratory	client	Number of the test reports	Test method
IBS GmbH	Alcan Singen GmbH	03110516-1EE	ÖNORM EN 13823:2002
IBS GmbH	Alcan Singen GmbH	03110516-2	ÖNORM EN ISO 1716:2002
IBS GmbH	Alcan Singen GmbH	03110516-1E	ÖNORM EN 13823:2002

3.2) Test results:

Test method	Parameter	Number of tests	Test result	
			Constant parameter average (m)	Discrete parameter
ÖNORM EN 13823 (Report No. 03110516-1E)	FIGRA _{0,2} (W/s)	3 (test run)	10,09	(-)
	FIGRA _{0,4} (W/s)		10,09	(-)
	THR _{600s} (MJ)		0,28	(-)
	LFS < Kante		(-)	J
	SMOGRA (m ² /s ²)		0,63	(-)
	TSP _{600s} (m ²)		14,46	(-)
	burning drip/drop		(-)	N
	FIGRA _{0,2} (W/s)	1 (additional 3 mm)	10,33	(-)
	FIGRA _{0,4} (W/s)		10,33	(-)
	THR _{600s} (MJ)		0,90	(-)
	LFS < angle		(-)	J
	SMOGRA (m ² /s ²)		0,00	(-)
	TSP _{600s} (m ²)		12,1	(-)
	burning drip/drop		(-)	N
	FIGRA _{0,2} (W/s)	1 (additional 6 mm)	6,07	(-)
	FIGRA _{0,4} (W/s)		6,07	(-)
	THR _{600s} (MJ)		0,70	(-)
	LFS < angle		(-)	J
	SMOGRA (m ² /s ²)		0,94	(-)
	TSP _{600s} (m ²)		23,5	(-)
burning drip/drop	(-)	N		



to classification report No. 03110516AEE from 27/07/2004 – ALCAN SINGEN

A2

The additional classification regarding to the smoke emission is:

s1

The additional classification regarding to the burning drip/drop is:

d0

The format of the classification of the burning behaviour for building products without flooring is:

Burning behaviour		Smoke emission			No burning drip/drop	
A2	-	s	1	,	d	0

i.e.: A2 – s1, d0

5.) Application area:

This classification is valid for the following end-application conditions:

- Wall- or ceiling installation – not horizontal as flooring
- With hollow spaces
- With and without back-airing
- Conform to EN 13823, it is allowed to use only carrier material in practical application which is up to the European Classes A1 or A2.

Furthermore this classification is valid for the following product parameters:

- Bond dimension: valid from 3 mm to 6 mm
- product construction: as tested (see test report below 3.1)
- furthermore valid for: open and covered cut edge / gaps

6.) Restrictions:

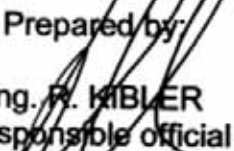
6.1) Common:

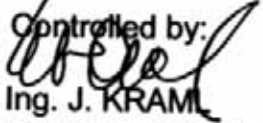
The validation of this classification report is in accordance with clauses of European product standards which are restricting at the most this validation.

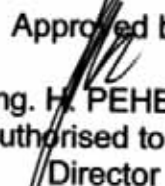
7.) Warning:

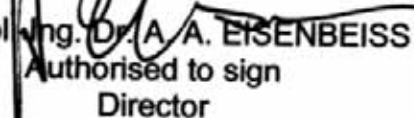
This document is no type approval or product certification.

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