

Reaction to fire classification report no. 073316.2 - Re

Reaction to fire classification report of faced mineral wool products
„ASTROTHERM KAS“
produced in the plant Diekirch, Luxemburg

sponsor: **ASTRON BUILDINGS S.A.**
 Route d'Ettelbruck

 L - 9202 Diekirch

order from: 21.09.2007 – D. Keus

This classification report defines the classification assigned to the building product
„ASTROTHERM KAS“
in accordance with the procedures given in EN 13501-1.

This reaction to fire classification report consists of 3 pages and may only be used or reproduced in its entirety.

Der Klassifizierungsbericht darf nur ungekürzt veröffentlicht werden.
Die auszugsweise Wiedergabe bedarf der schriftlichen Zustimmung der Prüfstelle.

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Niedersachsen



Notifizierte Stelle
0764

1. Details of classified products

1.1 Nature and end use application

The product „ASTROTHERM KAS“ is a mineral wool mat faced with compound aluminium foil and is defined as being suitable for wall or ceiling applications.

1.2 Description

The product „ASTROTHERM KAS“ is fully described in the test reports provided in support of the classification listed in clause 2.1.

According to the owner of this classification report, this product complies with the following European product specification:

EN 13162: 2001-10 - Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification

2. Test reports and test results in support of this classification

2.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
MPA BAU HANNOVER	Astron Buildings S.A.	071613.1 - VSch	EN 13823: 2002-02
MPA BAU HANNOVER	Astron Buildings S.A.	030306.1 - Re	DIN EN ISO 11925-2: 2002-07

2.2 Test results of „ASTROTHERM KAS“

Test method	Parameter	Number of tests	Results	
			Continuous parameter (mean)	Compliance parameter
DIN EN ISO 11925-2 Exposure = 30 s Surface flame attack Edge flame attack Flaming droplets / particles	Fs ≤ 150 mm	6	-	Y
	Fs ≤ 150 mm	6	-	Y
	Ignition of the filter paper	12	-	N
DIN EN 13823	FIGRA _{0,2MJ} (W/s)	3	500	-
	FIGRA _{0,4MJ} (W/s)	3	338	-
	LFS < edge	3	-	Y
	THR _{600s} (MJ)	3	1,9	-
	SMOGRAM ² /s ²)	3	0	-
	TSP _{600 s} (m ²)	3	26	-
	Flaming droplets / particles	3	-	N

3. Classification and direct field of application

3.1 Reference

This classification has been carried out in accordance with clauses 11.4 and 14.1 of DIN EN 13501-1: 2007-05.

3.2 Classification

The product „ASTROTHERM KAS“ in relation to its reaction to fire behaviour is classified: **D**

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 is:

Fire behaviour	Smoke production		Flaming droplets/particles	
D	s	1	d	0

i.e.

D – s1, d0

3.3 Field of application

This classification is valid for the following end use conditions:

- For mechanical fixings
- For metallic substrates with a melting point ≥ 1000 °C

This classification is also valid for the following product parameters:

- nominal thickness of the products: 40 mm - 120 mm
- nominal density of the mineral wool: ≤ 16 kg/m³

4. Limitations

4.1 Warning

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

Hannover, 13.11.2007

Head of fire laboratory



(ORR Dipl.-Ing. Restorff)