

Classification report of the fire behaviour

no. 230004570-3
of 14.11.2005

Sponsor : Eternit AG

Ernst-Reuter-Platz 8
10587 Berlin

Order: Classification of the fire behaviour according to DIN EN 13501-1

Date of order: 23.09.2004

Designation of the building product to be classified:

uncoated wood fibre-cement plates "Duripanel B1"

This report determines the classification of the above mentioned building product in accordance with the indicated method DIN EN 13501-1.

Test reports modified in form and content intended for reproduction or publication require the autorisation of the MPA NRW.

This classification report includes 4 pages.

1 Description of the building product

1.1 Indication of the sponsor:

uncoated wood fibre-cement plates "Duripanel B1"

thickness:

approx. 8 and 40 mm

1.2 Values detected in the MPA:

wood fibre-cement plates

Thickness of the thinner plates:

average 8,1 mm

Thickness of the thicker plates:

average 40,1 mm

Superficial weight of the thinner plates:

average 9,9 kg/m²

Superficial weight of the thicker plates:

average 49,7 kg/m²

colour:

beige

2 Test report and test results serving as a basis for the classification

2.1 Test reports

Name of laboratory	Sponsor	Number of test report	Test method
MPA NRW	Eternit AG Ernst-Reuter-Platz 8 10587 Berlin	230004570-1	DIN EN ISO 13823
MPA NRW	Eternit AG Ernst-Reuter-Platz 8 10587 Berlin	230004570-2	DIN EN ISO 11925-2

2.2 Test results

Test method	Number of tests	Parametres	Test results
DIN EN ISO 13823	4	FIGRA _{0,2 MJ} (W/s)	20
		FIGRA _{0,4 MJ} (W/s)	20
		THR _{600s} (MJ)	1,8
		LFS	< edge
DIN EN ISO 13823	4	SMOGRA (m ² /s ²)	1
		TSP _{600s} (m ²)	21
		Time of burning droplets (s)	0
DIN EN ISO 11925-2 Flame exposure 30 s	24	F _s (mm) burning droplets	≤ 150 no

4 Classification and direct field of application

4.1 Reference

The classification has been executed in accordance with paragraphs 10 and 12.1 of the standard DIN EN 13501-1 : 2002.

4.2 Classification

According to its fire behaviour the material classified as :: **B**
 The additional classification concerning the smoke development is: **s1**
 The additional classification concerning burning droplets is: **d0**

Therefore a classification of the fire behaviour of the material results :

Fire behaviour	Smoke development	Burning droplets
B	s1	d0

i. e. **B-s1,d0**

4.3 Field of application of the product

The classification is only valid for the building product described in paragraph 1 .

- with a thickness of 8 to 40 mm
- on metal constructions (not on wood constructions)
- also with carrier plates Euro class A1 or A2 with a gross density of $\geq 50 \text{ kg/m}^3$ behind of it
- with a seam width of max. 10 mm.

5 Restrictions

This classification report does not represent type approval or certification of the product. This classification report is a translation of the original classification report in German language and is only allowed to use together with the original classification report.

Erwitte, den 14.11.2005

Head of accredited laboratory
 by proxy

(Dipl.-Ing. Kühnen)

