



Prüfen · Überwachen · Zertifizieren

Testing · Surveillance · Certification

Classification report

no. 230005025-2
issued 21.11.2005

Sponsor : American Building Technologies, Inc.

600 17th Street, Suite 2800
South Denver, Colorado 80202
USA

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

Date of application: 19.05.2005

Name of the building product to be classified:

Element made out of PE-core with aluminum layers on both sides "Alubond USA 4,0 mm"
and "Alubond USA 6,0 mm"

This report gives the classification of the building product in accordance to the test method given in EN 13501-1.

1 Description of the building product

1.1 Information coming from the sponsor:

Element made out of PE-core with aluminum layers on both sides "Alubond USA 4,0 mm" and "Alubond USA 6,0 mm"

Total thickness: ca. 4,0 and 6,0 mm
Thickness of the aluminum layers: ca. 0,5 mm

1.2 measured values of the samples:

Element made out of PE-core with aluminum layers on both sides:

Thickness of the thinner plates: average 4,2 mm
Thickness of the thicker plates: average 5,7 mm
Front colour: Black or white
Colour of the back side: grey
Weight per area of the thinner plates: average 5,6 kg/m²
Weight per area of the thicker plates: average 7,0 kg/m²
Colour of the core: black

2 Test reports and test results in support of this classification

2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Test method
MPA NRW	American Building Technologies, Inc. 600 17th Street, Suite 2800 South Denver, Colorado 80202 USA	230005025-1	DIN EN ISO 11925-2

2.2 Test results

Test method	Number of tests	Parameter	Test results
DIN EN ISO 11925-2 Flaming 15 s	24	F_s (mm) Burning droplets / Falling particles with burn	≤ 150 no

4 Classification and field of application of the product

4.1 Reference

The classification was done in accordance with the chapters 10 and 12.1 of the standard DIN EN 13501-1 : 2002.

4.2 Classification

The material in relation to its fire behaviour is classified as : **E**

The additional classification in relation to the smoke development is : **--**

The additional classification in relation to the burning droplets is : **--**

The material is classified concerning the reaction to fire performance as :

Fire behaviour	Smoke development	Burning droplets
E	--	--

d.h. **E**

4.3 Field of Application of the product

The classification is only valid for the building product described in paragraph 1.1 with a thickness of 4 to 6 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 with the original classification report.

Erwitte, 21.11.2005

Head of notified testing body
In Vertretung

(Dipl.-Ing. Kühnen)





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