

## Test Report 202567-05-0488

### Determination of the fire index of Alubond FR u.s.a Aluminium Composite Panel

**Customer**

American Building Technologies, Inc.  
600 17th Street, Suite 2800 South  
Denver, Colorado 80202, U.S.A.

**Summary :**

Alubond FR u.s.a Aluminium Composite Panel :

**Fire Index:**

(Derived result of the tests)

5 . 3
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The examination is accomplished in accordance with : Determination of the fire index (combustibility and smoke formation) according to the "Directives for the prescriptions on the fire police, Materials and part of construction", Part B: Examination conditions, edition 1988 (with complements 1990, 1994 and 1995) of the "Vereinigung Kantonaler Feuerversicherungen " (VKF), Bundesgasse 20, Postfach 8576, CH-3001 Bern .

This test report has a validity period from 5 years .

The detailed test results are shown on the table of page 2.

**Number of Pages**                      2

**Head of Testing**



July 1<sup>st</sup> 2005

Adrien Bisel

The results in this test report are based on measurements of samples given to the test laboratory.  
The total test report may be copied but not parts of it.



STS 042

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Explosion Protection – Electrostatics – Thermal Stability – Process Safety



EPSC Member  
European Process  
Safety Center

### Test Object

No	Sample	Sample Description	Receiving Date
01	Alubond FR u.s.a Aluminium Composite Panel	Mineral core for use in Alubond FR u.s.a Aluminium Composite Panels.  20 pieces : approx. 160 x 60 x 4 mm 20 pieces : approx. 30 x 30 x 4 mm  Density: (1422±2,5) kg/m <sup>3</sup>	June 10 <sup>th</sup> 2005

### Applied Testing Procedure

SOP-No: 241 (Determination of the combustibility degree)

SOP-No: 242 (Determination of the smoke formation degree)

### Test set-up

The tests were carried out in the laboratory for fire -, and explosion prevention of the safety institute in Basel. The testing method is based on empirical bases. The quality of the testing method is supervised by periodic comparison attempts with other laboratories or with reference samples.

End of experimental part: June 29<sup>th</sup> 2005

### Results and evaluation

Basic Test :

- Burning side
- Burning time (in seconds)
- attains the height of 150 m ?

Front	Front	Front	Flip	Flip	Flip
0	0	0	0	0	0
No	No	No	No	No	no

Note: the product does not burn during the basic test.

Bunsen gas burner Test :

- Persistence time of the flame (in seconds)

8	18	13			
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Smoke density Test (on sieve) :

- Light absorption in %

0,0	1,0	0,5			
Mean value			0,5 %		