

## **CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501- 1: 2002**

<b>Sponsor:</b>	Brands Structural Products BV Delta Industrieweg 9 3251 LX Stellendam THE NETHERLANDS
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<b>Notified Body No:</b>	1234
<b>Product name:</b>	Acrylic One LP01 and Acrylic One Tri-axial Fabric
<b>Classification report no.:</b>	2006-CVB-R0565
<b>Issue number:</b>	1
<b>Date of issue:</b>	September 2006
<b>Project number:</b>	102010

This classification report consists of four pages and may only be used in its entirety.

## 1. Introduction

This classification report defines the classification assigned to Acrylic One LP01 and Acrylic One Tri-axial Fabric in accordance with the procedures given in EN 13501-1:2002.

## 2. Details of classified product

### 2.1 General

The product, Acrylic One LP01 and Acrylic One Tri-axial Fabric, is defined as a structural wall panel laminate.

### 2.2 Product description

The product, Acrylic One LP01 and Acrylic One Tri-axial Fabric, is build up of one layer of non-reinforced Acrylic One, amount approximately  $1,3 \text{ kg/m}^2$  – i.e. approx. 0,6-0,8 mm thickness. After this the bulk laminate is made by 5 layers of Triaxial fibre,  $160 \text{ g/m}^2$ , and one layer of Acrylic One LP 01, approx. 6,5 kg. Nominal density of the components Acrylic One LP01 and Acrylic One Tri-axial Fibre:  $1,75 \text{ kg/dm}^3$  and  $2,59\text{-}2,62 \text{ kg/dm}^3$  respectively.

## 3. Test reports & test results in support of classification

### 3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Sintef NBL as	Brands Structural Products BV	102010.25/06.171 102010.35/06.200	EN 13823 EN ISO 11925-2

### 3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN 13823	FIGRA <sub>0,2MJ</sub>	3	51 W/s	Compliant
	FIGRA <sub>0,4MJ</sub>		39 W/s	
	THR <sub>600s</sub>		4.8 MJ	Compliant

	LFS <edge			Compliant
	SMOGRA		3 m <sup>2</sup> /s <sup>2</sup>	Compliant
	TSP <sub>600s</sub>		42 m <sup>2</sup>	Compliant
	Flaming debris			Compliant
EN-ISO 11925-2 surface flame attack	Fs ≤150 mm	6	0 mm	Compliant
	Ignition of filter paper			Compliant

#### 4. Classification and field of application

##### 4.1 Reference of classification

This classification has been carried out in accordance with clause 10 of EN 13501-1:2002

##### 4.2 Classification

The product, Acrylic One LP01 and Acrylic One Tri-axial Fabric, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

**Reaction to fire classification: B-s1, d0**

### 4.3 Field of application

This classification is valid for the following end use applications:

i) as wall or ceiling covering laminate

This classification is also valid for the following product parameters:

thickness	approximately 5 mm
composition	as described in section 2.2

The classification is valid for the following substrates and air gaps:

Mounted with screws, c.t.c 600 mm or less, on wooden battens, against a non-combustible (A1 or A2) substrate, with an air gap, without joints.

The nature of the product is such that edge exposure to an ignition source is excluded.

### 5. Limitations

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

SIGNED



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APPROVED



Dr. F. Paap