CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2007

Sponsor	Kiwa Certificatie en Keuringen P.O. Box 70 NL-2280 AB RIJSWIJK The Netherlands
Prepared by	Efectis Nederland BV Lange Kleiweg 5 P.O. Box 1090 2280 CB RIJSWIJK The Netherlands
Notified Body no.	1234
Product name	**GENTAS HPL 6 mm - EGF sheet**
Classification report no	2008-Efectis-R0296
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This classification report consists of four pages and may only be used in its entirety.

This report is issued by the TNO company Efectis Nederland BV (previously **TNO** Centre for Fire Research). TNO decided, in response to international developments and requests by customers, to collaborate with two European Egolf partners, both highly experienced in fire safety: the Norwegian **Sintef/NBL** and the French **CTICM**. Thus, through scaling up, a more comprehensive service of high quality and a wider range of facilities can be offered. In order to achieve this, the fire safety related activities of the partners involved have been privatised in this collaboration. With respect to TNO this has led to the privatisation on the 1st of July 2006 of the activities of the TNO Centre for Fire Research via the establishment of the company Efectis Nederland BV.

1. Introduction

This classification report defines the classification assigned to **GENTAS HPL 6 mm - EGF sheet** in accordance with the procedures given in EN 13501-1: 2007.

2. Details of classified product

2.1 General

The product, **GENTAS HPL 6 mm - EGF sheet**, is defined as a decorative, rigid, fire retardant treated, high pressure laminate (HPL).

2.2 Product description

According to the sponsor the product is a rigid, decorative, high pressure laminate (HPL) sheet and made up as follows:
- A core: made of layers of kraft paper with fire retardant additives, impregnated with phenol formaldehyde resin;
- A finishing on both sides with a decorative paper, impregnated with melamine resin.

The product has a thickness of 6 mm and a surface density of 9.45 kg/m^2.

2.3 Manufacturer

Gentas Group
Dolanti Sk. No:21
TR-06610 SITELER-ANKARA
Turkey

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland B.V., The Netherlands	Kiwa/Gentas, The Netherlands	2008-Efectis-R0294 2008-Efectis-R0295	EN ISO 11925-2:2002 EN 13823:2002

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN 13823	$FIGRA_{0.2MJ}$	3	54.6 W/s	-
	$FIGRA_{0.4MJ}$		54.6 W/s	-
	THR_{600s}		3.1 MJ	-
	LFS < edge		-	Compliant
	SMOGRA		13.7 m^2/s^2	-
	TSP_{600s}		54.1 m^2	-
	Flaming debris		-	Compliant
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	6	-	Compliant
	Ignition of filter paper		-	Compliant
EN-ISO 11925-2 edge flame impingement	Fs ≤150 mm	6	-	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 11 (exluding floorings) of NEN-EN 13501-1:2007 and with clause 4 of NEN-EN 438-7.

4.2 Classification

The product, **GENTAS HPL 6 mm - EGF sheet**, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

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

d0

Reaction to fire classification: B-s2,d0

4.3 Field of application

This classification is valid for the following product parameters:

- Thickness	6 mm minimum
- Surface density	9.45 kg/m^2

This classification is valid for the following end use applications:

- Substrate	mounted on wooden panels against a non-combustable backing board
- Air gap	30 mm
- Methods and means of fixing	mechanically screwed
- Joints	vertical and horizontal joints
- End use conditions	the product will be used as a wall or facade panel.

4.4 Duration of the validity of this classification report

This classification is valid until April 2013.

5. Limitations

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

Signed

Ing. C.C.M. Steinhage

Approved

W. Langstraat