

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

Sponsor	Asona Benelux BV P.O. Box 9057 NL-1180 MB AMSTELVEEN The Netherlands
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Notified Body no.	1234
Product name	Sonaspray K 13 st - sp - FC - FCX
Classification report no	2008-Efectis-R0293
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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 **Sonaspray K 13 st - sp - FC - FCX** in accordance with the procedures given in EN 13501-1: 2007.

2. Details of classified product

2.1 General

The product, Sonaspray K 13 st - sp - FC - FCX, is defined as a type of product according to relevant European Technical Specification (to be used for CE marking)

2.2 Product description

According to the sponsor the product is composed of:

- Cellulose from recycled paper with an addition of Borax salts, to provide the product with fire resistant properties.
- The Sonaspray is applied by spraying with a mix of 80% water and 20% adhesive. The adhesive is a copolymer with a small addition of Poly Vinyl Alcohol.
- The thickness of the sprayed layer is approx. 20 mm, with a surface density of 2.75 kg/m².

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	Asona BeneluxBV, The Netherlands	2008-Efectis-R0291 2008-Efectis-R0292	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	112.1 W/s	-
	FIGRA _{0.4MJ}		78.1 W/s	-
	THR _{600s}		4.0 MJ	-
	LFS < edge		-	Compliant
	SMOGRA		13.0 m ² /s ²	-
	TSP _{600s}		70.6 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 (excluding floorings) of NEN-EN 13501-1:2007

4.2 Classification

The product, **Sonaspray K 13 st - sp - FC - FCX**, 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 approx. 20 mm
- Surface density 2.75 kg/m²

This classification is valid for the following end use applications:

- Substrate non-combustable (class A1/A2, according to EN 13501-1)
- Air gap no air gap
- Methods and means of fixing spraying
- End use condition the product will be used as a wall, facade or ceiling covering.

4.4 Duration of the validity of this classification report

There are no limitations in time on the validity of this report. It is however strongly recommended to reconsider the content of this report after a period of maximum five years.

5. Limitations

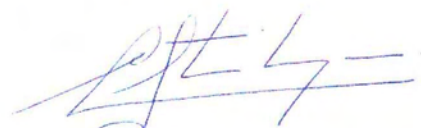
This classification document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

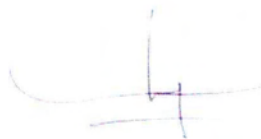
The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Signed



Ing. C.C.M. Steinhage

Approved



W. Langstraat