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

Sponsor:	HIM Netherlands B.V. P.O. Box 1 NL-1950 AA VELSEN-NOORD The Netherlands
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Notified Body No:	1234
Product name:	**Himfloor SL Conductive AS + Himfloor FC AS** self levelling synthetic resin flooring system.
Classification report No.:	2006-CVB-R0330
Projectnumber:	0034.67836/01.01
Issue number:	1
Period of issue:	June 2006

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 **Himfloor SL Conductive AS + Himfloor FC AS** self levelling synthetic resin flooring system in accordance with the procedures given in EN 13501-1:2002

2. Details of classified product

2.1 General

The product, **Himfloor SL Conductive AS + Himfloor FC AS**, is defined as a self levelling synthetic resin flooring system.

2.2 Product description

The product, **Himfloor SL Conductive AS + Himfloor FC AS** self levelling synthetic resin flooring system, is described below and is fully described in the test reports provided in support of classification listed in Clause 3.1.

Product composition description:
- HIM primer 31 basic layer (approx. 0.18 kg/m^2)
- Himfloor SL conductive AS synthetic resin undercoat layer (pigmented) (approx. 0.14 kg/m^2)
- Himfloor SL conductive AS synthetic resin topcoat (pigmented) (approx. 3.4 kg/m^2)
- Himfloor FC AS water-borne polyurethane finish coat (approx. 0.125 kg/m^2).

Overall nominal thickness of 2 to 3 mm.
Overall nominal system surface density is approx. 3.85 kg/m^2.
For the examination the system had been applied on a standard non-combustible substrate as specified in ISO 390 and EN 13238: 2001 par. 5.1.2 (1800 $\pm$ 200 kg/m^3 – 6 mm).

3. Test reports & test results in support of classification

3.1 Test report references

Name of laboratory	Name of sponsor	Test report(s)	Test method(s)
TNO Centre for Fire Research The Netherlands	HIM Netherlands B.V. P.O. Box 1 NL-1950 AA VELSEN-NOORD The Netherlands	TNO Report 2006-CVB-R0329	NEN-EN-ISO 11925-2: 2002 and NEN-EN-ISO 9239-1: 2002

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN-ISO 11925-2: 2002 Surface flame attack	Fs ≤150 mm	6	20 mm	Compliant
	Ignition of filter paper		No	Compliant
EN ISO 9239-1: 2002	Critical Heat Flux	3	9.0 kW/m^2	Compliant
	Smoke density		266 % x min	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2002

4.2 Classification

The product, **Himfloor SL Conductive AS + Himfloor FC AS** self levelling synthetic resin flooring system, as described above, in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: B_{fl} – s1

4.3 Field of application

This classification is valid for the following end use applications:

As a floor covering system.

This classification is valid for the following product parameters:

System surface density	Approx. 3.85 kg/m^2
Thickness	Approx. 2 to 3 mm

The classification is valid for the following substrates:

Non-combustible (A1 or A2) substrates as specified in EN 13238:2001 par. 5.1.2 (1800 $\pm$ 200 kg/m^3 – 6 mm) or concrete based floors.

5. Limitations

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

SIGNED **APPROVED**

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