



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

<b>Sponsor:</b>	HIM Netherlands B.V. P.O. Box 1 NL-1950 AA VELSEN-NOORD The Netherlands
<b>Prepared by:</b>	Centre for Fire Research TNO Van Mourik Broekmanweg 6 P.O. Box 49 NL-2600 AA Delft
<b>Notified Body No:</b>	1234
<b>Product name:</b>	<b>Himfloor SL Conductive AS</b> self levelling synthetic resin flooring system.
<b>Classification report No.:</b>	2006-CVB-R0328
<b>Projectnumber:</b>	0034.67836/01.01
<b>Issue number:</b>	1
<b>Period of issue:</b>	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** 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**, is defined as a self levelling synthetic resin flooring system.

### 2.2 Product description

The product, **Himfloor SL Conductive 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<sup>2</sup>)
- Himfloor SL conductive AS synthetic resin undercoat layer (pigmented) (approx. 0.14 kg/m<sup>2</sup>).
- Himfloor SL conductive AS synthetic resin topcoat (pigmented) (approx. 3.4 kg/m<sup>2</sup>).

Overall nominal thickness of 2 to 3 mm.

Overall nominal system surface density is approx. 3.7 kg/m<sup>2</sup>.

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 ± 200 kg/m<sup>3</sup> – 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-R0327	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	$F_s \leq 150$ mm	6	20 mm	Compliant
	Ignition of filter paper		No	Compliant
EN ISO 9239-1: 2002	Critical Heat Flux	3	10.3 kW/m <sup>2</sup>	Compliant
	Smoke density		296 % 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** self levelling synthetic resin flooring system, as described above, in relation to its reaction to fire behaviour is classified:

**B<sub>fl</sub>**

The additional classification in relation to smoke production is:

**s1**

**Reaction to fire classification: B<sub>fl</sub> – 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. 3.7 kg/m <sup>2</sup>
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 ± 200 kg/m<sup>3</sup> – 6 mm) or concrete based floors.

## 5. Limitations

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

**SIGNED**



W. Langstraat

**APPROVED**



F. Paap, Ph.D.