



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

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Notified Body No: 1234

Product name: **Himfloor SL 2000** self levelling synthetic resin flooring system.

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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 2000** 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 2000, is defined as a self levelling synthetic resin flooring system.

2.2 Product description

The product, Himfloor SL 2000 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/m²)
- Himfloor SL2000 synthetic resin top layer (pigmented) (3.4 to 5.1 kg/m²)

Overall nominal thickness of 2 to 3 mm.

Overall nominal surface density is 3.6 to 5.3 kg/m².

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/m³ – 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-R0323 | 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 ² | Compliant |
| | Smoke density | | 244 % 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 2000 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. 3.6 to 5.3 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 ± 200 kg/m³ – 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.