

Test Report No. 16973A

Sponsor

Hevadex bvba
Alfons Braeckmanlaan 237A
9040 Sint-Amandsberg
Belgium

Construction product and trade name

Water based technical coating **BLOWERPROOF LIQUID BRUSH**

Nature of the test

EN ISO 11925-2:2010/AC:2011 – Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame – Part 2: Single-flame source test (EN ISO 11925-2:2010/AC:2011) – flame application time: 30 s.

Summary of the results

| | |
|------------------------------|------------|
| Flame spread F_s (mm) | ≤ 150 |
| Ignition of the filter paper | No |

PREPARED BY

APPROVED BY

This report consists of 6 pages

This document is the original version of this test report and is written in English.
This report may be used only literally and completely for publications. - For publications of certain texts, in which this report is mentioned, our permission must be obtained in advance.
The authenticity of the electronic signatures is assured by Belgium Root CA.

1. DESCRIPTION OF THE TEST METHOD

EN ISO 11925-2:2010/AC:2011 – Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame – Part 2: Single-flame source test.
The flame application time is 30 s.

There was no deviation from the specifications contained in the test standard.

2. IDENTIFICATION OF THE PRODUCT

| | | |
|--|---|--|
| <u>Date of test samples arrival</u> | : | 29/11/2014 |
| <u>Identification of the samples</u> | : | Prod. Place Sint-Amandsberg Prod. Date 07/11/2014 Identification 4110712 |
| <u>Sampling done by</u> | : | The sponsor (Mr. Herman Van Damme) |
| <u>Sampling date</u> | : | 29/11/2014 |
| <u>Name of the sponsor</u> | : | Hevadex bvba Alfons Braeckmanlaan 237A 9040 Sint-Amandsberg Belgium |
| <u>Name of the manufacturer/supplier</u> | : | Hevadex bvba Alfons Braeckmanlaan 237A 9040 Sint-Amandsberg Belgium |
| <u>Trade name</u> | : | BLOWERPROOF LIQUID BRUSH |

Description of the tested product:

This description is based on information given by the sponsor.

| Nominal values | |
|---------------------------------|--|
| BLOWERPROOF LIQUID BRUSH | |
| Type of product | The tested product is a water based technical coating containing <1 % pigments and < 2 % fibres. |
| Manufacturer | Hevadex bvba |
| Density (wet) (kg/l) | 1,15 – 1,25 |
| Use of fire retardants | No |
| Colour | Blue (liquid); Black (dried film) |
| Mounting and fixing | |
| Substrate | |
| Type of product | Calcium silicate panel |
| Thickness | 12 |
| Density | 870 |
| Fixation of the lacquer | |
| Application method | The product BLOWERPROOF LIQUID BRUSH was brushed onto the substrate. |
| Amount of layers | 1 |

Mounting and Fixing:

The product was tested freehanging.

Conditioning, according to EN 13238, § 4.3 for fixed period.

Start of conditioning : 01/12/2014

End of conditioning : 15/12/2014

3. RESULTS AND OBSERVATIONS

Date of test : 15/12/2014

a) Test results

a.1) Surface exposure

Position of flame application:

- Centre line of the specimen, 40 mm above the bottom edge
(see figure 9 of the standard)

Test results

| Specimen No. | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-----|-----|-----|-----|-----|-----|
| Ignition (yes/no) | yes | yes | yes | yes | yes | yes |
| Flame tip reaching the measuring mark, 150 mm above the flame application point within 60 s, after flame application (yes/no) | no | no | no | no | no | no |
| Moment of appearance (s) | - | - | - | - | - | - |
| Maximal flame spread (mm) | 25 | 30 | 30 | 25 | 20 | 30 |
| Ignition of the filter paper (yes/no) | no | no | no | no | no | no |

Observations

| Specimen No. | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-----|-----|-----|-----|-----|-----|
| Description of the physical behaviour of the material | (1) | (1) | (1) | (1) | (1) | (1) |

(1) Carbonisation at flame height

a.2) Edge exposure

Position of flame application:

- At the mid point on the bottom edge of the test specimen (see figure 5 of the standard).

Test results

| Specimen No. | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-----|-----|-----|-----|-----|-----|
| Ignition (yes/no) | yes | yes | yes | yes | yes | yes |
| Flame tip reaching the measuring mark, 150 mm above the flame application point within 60 s, after flame application (yes/no) | no | no | no | no | no | no |
| Moment of appearance (s) | - | - | - | - | - | - |
| Maximal flame spread (mm) | 30 | 30 | 30 | 30 | 30 | 30 |
| Ignition of the filter paper (yes/no) | no | no | no | no | no | no |

Observations

| Specimen No. | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-----|-----|-----|-----|-----|-----|
| Description of the physical behaviour of the material | (1) | (1) | (1) | (1) | (1) | (1) |

(1) Carbonisation at flame height

b) Summary of test results

The test results relate only to the behaviour of the test specimens of a material under the particular conditions of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

The test results are only valid for the specimens of the product as they have been tested.

The following test results were obtained in accordance with the standard EN ISO 11925-2:2010/AC:2011:

| | |
|------------------------------|------------|
| Flame spread F_s (mm) | ≤ 150 |
| Ignition of the filter paper | No |

c) Uncertainty of measurement

Regarding the precision of the test method, at the present time we have insufficient information to make a considerate statement regarding the uncertainty of measurement. The uncertainty of test results for this test report is described in Annex A of the test standard.

As this annex only covers generic products and as we know at this moment that the uncertainty can be influenced by the nature of the product in the test, the values in Annex A can only give an indication of the actual uncertainty of the tests described in this report.