Test Report No. 19799A

Sponsor

iSee2 BVBA
Groendreef 35, Industriezone Langevoorde
9880 Aalter
Belgium

Construction product and trade name

Self-adhesive window film **Silver Etch ACT**

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 : 15 s.

Summary of the results

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

PREPARED BY

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This report consists of 6 pages

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 15 s.

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

2. IDENTIFICATION OF THE PRODUCT

Date of test samples arrival	:	29/05/2019
Identification of the samples	:	Prod. Place Europe Prod. Date 05/04/2019 Identification within the quality system: According to production standard
Sampling done by	:	The sponsor (Mr. Jean-Pierre Ost)
Sampling date	:	21/05/2019
Name of the sponsor	:	iSee2 BVBA Groendreef 35, Industriezone Langevoorde 9880 Aalter Belgium
Name of the manufacturer/supplier	:	iSee2 BVBA Groendreef 35, Industriezone Langevoorde 9880 Aalter Belgium
Trade name	:	**Silver Etch ACT**

Description of the tested product:
This description is based on information given by the sponsor.

	Nominal values (*)	Measured values (**)
Silver Etch ACT		
Type of product	Self-adhesive window film consisting of a PVC face film, a polyacrylic adhesive and a (protective) release liner on the back side of the product. The release liner is removed before testing (according to the end-use application), thus is not included below.	
Manufacturer	iSee2 BVBA	
Total thickness (µm), excluding the release liner	80	88
Total surface mass (g/m²), excluding the release liner	140	126,8
Use of fire retardants	No	
Colour	Silver/Grey	
Adhesive : Permanent clear solvent based acrylic		
Type of product	Polyacrylic	
Manufacturer	iSee2 BVBA	
Application rate (g/m²)	20	(***)
Application method	Exterior marking and signage	

(*) Based on the information given by the sponsor.
(**) Values verified by the laboratory.
(***) Unverifiable by the laboratory.

Mounting and Fixing:
In analogy with prEN 15752-2:2015, the self-adhesive window film was applied by the laboratory onto an uncoated float glass sheet (4 mm; Euro class A1). The whole assembly was tested free hanging (vertical position in standard test frame) with the window film as the fire exposed side.

Conditioning, according to EN 13238, § 4.2 to constant mass.
Start of conditioning : 07/06/2019
End of conditioning : 26/06/2019

3. RESULTS AND OBSERVATIONS

Date of test : 26/06/2019

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)	no	no	no	no	no	no
Flame tip reaching the measuring mark, 150 mm above the flame application point within 20 s, after flame application (yes/no) Moment of appearance (s)	no -	no -	no -	no -	no -	no -
Maximal flame spread (mm)	0	0	0	0	0	0
Ignition of the filter paper (yes/no)	no	no	no	no	no	no

Observations

Carbonisation at flame height and discoloration

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)	no	no	no	no	no	no
Flame tip reaching the measuring mark, 150 mm above the flame application point within 20 s, after flame application (yes/no) Moment of appearance (s)	no -	no -	no -	no -	no -	no -
Maximal flame spread (mm)	0	0	0	0	0	0
Ignition of the filter paper (yes/no)	no	no	no	no	no	no

Observations

Carbonisation at flame height and discoloration

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

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.