

## TEST REPORT

No. : XMIN2508001860CM01\_EN

Date : 2025-09-09

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CUSTOMER NAME: Eikon Ltd  
ADDRESS: 38 Port Royal Avenue, Lune Industrial Estate, Lancaster, United Kingdom

Sample Name : iD9 White Gloss Air Grey  
Material : PVC Film  
Other Information : iD9 White Gloss Grey/iD9 White Gloss Air Grey, model for testing: iD9 White Gloss Air Grey

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Ref. No. : SDFTS25005059R01\_EN  
Date of Receipt : 2025-08-12  
Testing Period : 2025-08-12 ~2025-08-28  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co.,Ltd. Xiamen Branch.

Bryan Hong  
Authorized signatory



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### I. Test conducted

This test is conducted as per EN 13501-1:2018 Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests. And the test methods as following:

1. EN 13823:2020+A1:2022 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.
2. EN ISO 11925-2:2020 Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test.

### II. Details of classified product

|                    |                      |
|--------------------|----------------------|
| Sample Description | Film                 |
| Color              | White                |
| Thickness          | 0.1 mm               |
| Area density       | 100 g/m <sup>2</sup> |

### Mounting and fixing:

Test substrate was calcium silicate board meets the requirement of EN13501-1 of Class A2-s1,d0 with density of 900 kg/m<sup>3</sup> and thickness of 10mm. There was no joint between specimens. As per client's requirement, the sample was self-adhesive to the substrate. Specimens had a distance of at least 80 mm from the backing board.

### III. Test results

| Test methods                      | Parameter                                                           | Number of tests | Results |
|-----------------------------------|---------------------------------------------------------------------|-----------------|---------|
| EN 13823                          | FIGRA <sub>0.2MJ</sub> (W/s)                                        | 3               | 9.2     |
|                                   | FIGRA <sub>0.4MJ</sub> (W/s)                                        |                 | 9.2     |
|                                   | Whether lateral flame spread (LFS) to the edge of specimen (Yes/No) |                 | No      |
|                                   | THR <sub>600s</sub> (MJ)                                            |                 | 0.5     |
|                                   | SMOGR (m <sup>2</sup> /s <sup>2</sup> )                             |                 | 0.8     |
|                                   | TSP <sub>600s</sub> (m <sup>2</sup> )                               |                 | 6.5     |
|                                   | Flaming particles or droplets (Yes/No)                              |                 | No      |
| EN ISO 11925-2<br>Exposure = 30 s | Fs≤150mm within 60 s (Yes/No)                                       | 12              | Yes     |
|                                   | Ignition of the filter paper (Yes/No)                               |                 | No      |



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### Note:

FIGRA<sub>0.2MJ</sub> - Fire growth rate index at THR threshold of 0,2 MJ [W/s]

FIGRA<sub>0.4MJ</sub> - Fire growth rate index at THR threshold of 0,4 MJ [W/s]

THR<sub>600s</sub> -Total heat release within 600 s [MJ]

SMOGR - Smoke growth rate [m<sup>2</sup>/s<sup>2</sup>]

TSP<sub>600s</sub>- Total smoke production within 600 s [m<sup>2</sup>]

### IV. Classification and field of application

#### a) Reference of classification

This classification has been carried out in accordance with **EN 13501-1:2018**.

#### b) Classification

The product, iD9 White Gloss Air Grey (as described by the sponsor), in relation to its reaction to fire behaviour is classified:

| Fire behaviour |   | Smoke production |          | Flaming droplets |
|----------------|---|------------------|----------|------------------|
| <b>B</b>       | — | <b>s</b>         | <b>1</b> | <b>d 0</b>       |

**Reaction to fire classification: B—s1, d0**

**Remark:** The classes with their corresponding fire performance are given in annex A.

#### c) Field of application

This classification is valid for the following product parameters:

--- Characteristics as described in section II of this test reports.

This classification is valid for the following end use applications:

--- With all substrates classified as A1 or A2

--- Self-adhered

--- No joint



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### Limitations

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

### Warning:

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

### Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

### Annex A

Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products

| Class | Test method(s)                 |     | Classification criteria                                                                                                                                                                 | Additional classification                                                    |
|-------|--------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| A1    | EN ISO 1182 <sup>a</sup> and   |     | $\Delta T \leq 30^{\circ}\text{C}$ , and<br>$\Delta m \leq 50\%$ , and<br>$t_f = 0\text{s}$ (i.e. no sustained flaming)                                                                 | -                                                                            |
|       | EN ISO 1716                    |     | $PCS \leq 2.0\text{MJ/kg}$ <sup>a</sup> and<br>$PCS \leq 2.0\text{MJ/kg}$ <sup>b c</sup> and<br>$PCS \leq 1.4\text{MJ/m}^2$ <sup>d</sup> and<br>$PCS \leq 2.0\text{MJ/kg}$ <sup>e</sup> | -                                                                            |
| A2    | EN ISO 1182 <sup>a</sup><br>or | and | $\Delta T \leq 50^{\circ}\text{C}$ , and<br>$\Delta m \leq 50\%$ , and<br>$t_f \leq 20\text{ s}$                                                                                        | -                                                                            |
|       | EN ISO 1716                    |     | $PCS \leq 3.0\text{MJ/kg}$ <sup>a</sup> and<br>$PCS \leq 4.0\text{MJ/m}^2$ <sup>b</sup> and<br>$PCS \leq 4.0\text{MJ/m}^2$ <sup>d</sup> and<br>$PCS \leq 3.0\text{MJ/kg}$ <sup>e</sup>  | -                                                                            |
|       | EN 13823                       |     | $FIGRA_{0.2\text{MJ}} \leq 120\text{W/s}$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600\text{s}} \leq 7.5\text{MJ}$                                                           | Smoke production <sup>f</sup> and<br>Flaming droplets/particles <sup>g</sup> |

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| Class | Test method(s)                                 | Classification criteria                                                                           | Additional classification                                                    |
|-------|------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| B     | EN 13823 and                                   | $FIGRA_{0.2MJ} \leq 120W/s$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600s} \leq 7.5MJ$ | Smoke production <sup>f</sup> and<br>Flaming droplets/particles <sup>g</sup> |
|       | EN ISO 11925-2 <sup>i</sup><br>Exposure = 30s  | $F_s \leq 150mm$ within 60s                                                                       |                                                                              |
| C     | EN 13823 and                                   | $FIGRA_{0.4MJ} \leq 250W/s$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600s} \leq 15MJ$  | Smoke production <sup>f</sup> and<br>Flaming droplets/particles <sup>g</sup> |
|       | EN ISO 11925-2 <sup>i</sup><br>Exposure=30s    | $F_s \leq 150mm$ within 60 s                                                                      |                                                                              |
| D     | EN 13823 and                                   | $FIGRA_{0.4MJ} \leq 750W/s$                                                                       | Smoke production <sup>f</sup> and<br>Flaming droplets/particles <sup>g</sup> |
|       | EN ISO 11925-2 <sup>i</sup><br>Exposure=30s    | $F_s \leq 150mm$ within 60 s                                                                      |                                                                              |
| E     | EN ISO 11925-2 <sup>i</sup><br>Exposure = 15s  | $F_s \leq 150mm$ within 20 s                                                                      | flaming droplets/particles <sup>h</sup>                                      |
| F     | EN ISO 11925-2 <sup>i</sup><br>Exposure = 15 s | $F_s > 150mm$ within 20 s                                                                         |                                                                              |

<sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.  
<sup>b</sup> For any external non-substantial component of non-homogeneous products.  
<sup>c</sup> Alternatively, any external non-substantial component having a  $PCS \leq 2,0 MJ/m^2$ , provided that the product satisfies the following criteria of EN 13823:  $FIGRA \leq 20 W/s$ , and  $LFS < \text{edge of specimen}$ , and  $THR_{600s} \leq 4,0 MJ$ , and s1, and d0.  
<sup>d</sup> For any internal non-substantial component of non-homogeneous products.  
<sup>e</sup> For the product as a whole.  
<sup>f</sup> s1 =  $SMOGRA \leq 30m^2/s^2$  and  $TSP_{600s} \leq 50m^2$ ; s2 =  $SMOGRA \leq 180m^2/s^2$  and  $TSP_{600s} \leq 200m^2$ ; s3 = not s1 or s2  
<sup>g</sup> d0 = No flaming droplets/ particles in EN 13823 within 600 s;  
d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;  
d2 = not d0 or d1.  
Ignition of the paper in EN ISO 11925-2 results in a d2 classification.  
<sup>h</sup> Pass = no ignition of the paper (no classification);  
Fail = ignition of the paper (d2 classification).  
<sup>i</sup> Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.



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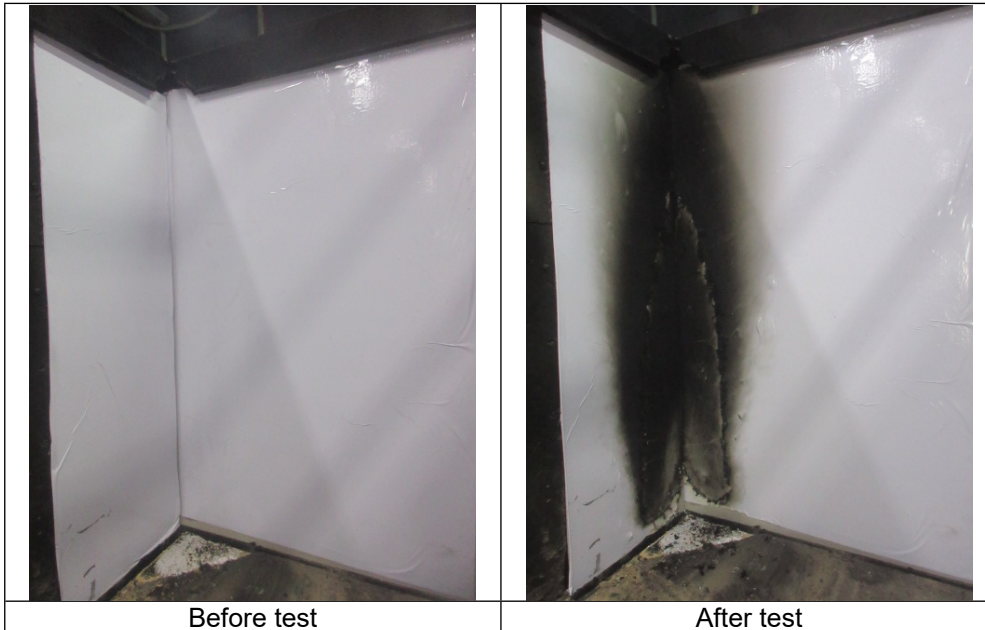
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### Photo Appendix:



Note: The above test project/method was carried out by subcontractors.

\*\*\*\*\*End of report\*\*\*\*\*