

MIGUELEZ & DEL CUETO DISTRIBUCION SL

PARQUE DE LOS LIRIOS N7 PRIMERO OFICINA 2 26009 LOGRONO LA RIOJA SPAIN

Sample Description : ENERGY RECOVERY VENTILATION EPP HOUSING**Tested surface** : MARKED SURFACE

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

SGS Ref. No. : SZIN2601000216PL01**Sample Receiving Date** : Jan 23,2026**Testing Period** : Jan 23,2026 to Feb 09,2026**Test Required** : EN 13501-1:2018 Fire classification of construction products and building elements—Part 1: Classification using data from reaction to fire tests.**Test result(s)** : See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch



Ada Liu
Approved signatory



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I. Test conducted

This test was 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 | Foam |
| Thickness | 15 mm |
| Area density | 1.11 kg/m ² |

Mounting and fixing:

Test substrate was calcium silicate board meets the requirement of EN13501-1, of Class A2-s1,d0, the density of 900 kg/m³ and thickness of 10mm.

Specimen was installed on the substrate by screw. Specimen had a distance of at least 80mm from the backing board.

III. Test results

| Test methods | Parameter | Number of tests | Results |
|-----------------------------------|---|-----------------|---------|
| EN 13823 | FIGRA _{0.2MJ} (W/s) | 3 | 200.8 |
| | FIGRA _{0.4MJ} (W/s) | | 200.8 |
| | Whether lateral flame spread (LFS) to the edge of specimen (Yes/No) | | No |
| | THR _{600s} (MJ) | | 9.7 |
| | SMOGRA (m ² /s ²) | | 20.5 |
| | TSP _{600s} (m ²) | | 94.4 |
| | Flaming particles or droplets (Yes/No) | | No |
| EN ISO 11925-2 Exposure = 30 s | F _s ≤ 150mm within 60 s (Yes/No) | 12 | Yes |
| | Ignition of the filter paper (Yes/No) | | No |

Note:

FIGRA_{0.2MJ} - Fire growth rate index at THR threshold of 0,2 MJ [W/s]

FIGRA_{0.4MJ} - Fire growth rate index at THR threshold of 0,4 MJ [W/s]

THR_{600s} -Total heat release within 600 s [MJ]



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SMOGRA - Smoke growth rate [m²/s²]

TSP_{600s}- Total smoke production within 600 s [m²]

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, Energy recovery ventilator EPP housing (as described by the sponsor), in relation to its reaction to fire behaviour is classified:

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|----------------|---|------------------|----------|---|------------------|----------|
| B | — | s | 2 | , | d | 0 |

Reaction to fire classification: B—s2, 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

--- With mechanically fixing

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.



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

^f s1 = $SMOGRA \leq 30$ m²/s² and $TSP_{600s} \leq 50$ m² ; s2 = $SMOGRA \leq 180$ m²/s² and $TSP_{600s} \leq 200$ m²; s3 = not s1 or s2

^g 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.

^h Pass = no ignition of the paper (no classification);

Fail = ignition of the paper (d2 classification).

ⁱ Under conditions of surface flame attack and, if appropriate to the end–use application of the product, edge flame attack.



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Photo Appendix:



Before test

After test

SGS authenticate the photo on original report only

End of Report



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