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Title:
Fire resistance classification report assigned to a non-loadbearing wall, exposed to fire on one of its faces, according to Standard EN 13501-2:2023 "Fire classification of construction products and building elements. Part 2: Classification using data from fire resistance and/or smoke control tests, excluding ventilation services"

Classified material:

- Non-loadbearing wall of 3000 x 5000 mm (width x height) with reference ROCKWOOL Fire Barrier EN.

File number: 25/32302289-1

Sponsor:
ROCKWOOL Ltd.
Wern Tarw, Pencoed
CF35 6NY - Bridgend

Report date:
15th January, 2026

This document contains 8 pages.

1 INTRODUCTION

This classification report defines the resistance to fire classification assigned to an element:

Internal laboratory reference	Reference provided by the sponsor
31514-1	ROCKWOOL Fire Barrier EN

in accordance with the procedure given in the Standard EN 13501-2:2023 "Fire classification of construction products and building elements. Part 2: Classification using data from fire resistance and/or smoke control tests, excluding ventilation services" a non-loadbearing wall, provided by Rockwool Ltd.

2 TESTED SAMPLE

The laboratory has carried out different checks on the sample to be tested in order to collate the correspondence between the documentation provided by the sponsor and the received sample. The data included in this clause are those provided by the sponsor and can be consulted in annex D of this report.

2.1 General features

- Reference laboratory: 31514-1.
- Reference provided by the sponsor: ROCKWOOL Fire Barrier EN.
- Total dimensions: 3000 x 5000 mm (width x height).
- Thickness: 100 mm.

2.2 Composition of the sample

- Constituent elements (from exposed side to unexposed side)
    - Element 1:
        - Type: ROCKWOOL clamping plate.
        - Reference: Fire Barrier Clamping Plate.
        - Brand: ROCKWOOL.
        - Section: 10 x 40 mm.
        - Thickness: 1.8 mm.
        - Fixing: See Annex D of the test report.
    - Element 2:
        - Material: stone wool.
        - Reference: Fire Barrier EN FFB1 G1
        - Brand: ROCKWOOL.
        - Thickness: 50 mm.
        - Fixing: between element 1 and element 3. See Annex D of the test report.
    - Element 3:
        - Type: ROCKWOOL angle support.
        - Reference: Fire Barrier Support Angle.

- Brand: ROCKWOOL.
- Section: 35 x 80 mm.
- Thickness: 2 mm.
- Quantity: 2.
- Fixing method to the test frame: see section 3.6.

- Element 4:
  - Material: stone wool.
  - Reference: Fire Barrier EN FFB1 G1
  - Brand: ROCKWOOL.
  - Thickness: 50 mm.
  - Fixing: between element 3 and element 5. See Annex D of the test report.

- Element 5:
  - Type: ROCKWOOL clamping plate.
  - Reference: Fire Barrier Clamping Plate.
  - Brand: ROCKWOOL.
  - Section: 10 x 40 mm.
  - Thickness: 1.8 mm.
  - Fixing: See Annex D of the test report.

2.3 Joint system:

- Type: wire
- Material: galvanised steel lacing wire.
- Length: 160 mm
- Thickness: 0.82 mm
- Location: stone wool panel bonding with wire at 150 mm on both faces of the sample. See Annex D of the test report.

2.4 Fixing method of the sample to the test frame:

- The sample is fixed to the test frame on two sides, except for the free edge and the bottom side. The fixed edges are secured by:

  - Fixing 1:
    - Type: Concrete fixings.
    - Reference: EVDBZ665.
    - Brand: Evolution.
    - Dimension: Ø6 x 65 mm every 300 mm.
    - Location: fixing through the deflection head into the restraint frame. See Annex D of the test report.

  - Fixing 2:
    - Type: Concrete fixings.
    - Reference: EVDBZ665.
    - Brand: Evolution.
    - Dimension: Ø6 x 65 mm every 300 mm.

- Location: fixing of element 6 through the deflection head to the external part of the test frame (seen from the face not exposed to fire). See Annex D of the test report.

- Left edge and bottom side free (seen from unexposed side).

2.5 Vertical joints:

- Unexposed side (see Annex D of the test report):
  - A vertical joint at 500 mm from the free edge of the sample.
  - Two full-width boards adjacent to the fixed edge.

- Exposed side (see Annex D of the test report):
  - A vertical joint at 600 mm from the fixed edge of the sample.
  - Two full-width boards adjacent to the free edge of the sample.

2.6 Horizontal joints:

- Unexposed side (see Annex D of the test report):
  - The sample incorporates three horizontal joints at 1400, 1900, and 4500 mm.

- Exposed side (see Annex D of the test report):
  - The sample incorporates three horizontal joints at 1500, 2000, and 4500 mm.

2.7 Supporting construction accessories:

- The assembly of these accessories has been carried out by the laboratory:

  - Accessory 1:
    - Type: support bracket
    - Reference: Support Angle.
    - Section: 35 x 80 mm
    - Thickness: 2 mm.
    - Quantity: 2.
    - Location: around the entire furnace frame as support. See Annex D of the test report.
    - Fixing: fixed to test frame using by means of screws with reference Hit M type P by Spit, dimensions Ø6 x 30 mm, each 600 mm.

  - Accessory 2:
    - Type: gypsum plasterboard.
    - Reference: K711F, Knauf Fire Protection DF.
    - Section: 250 x 12.5 mm.
    - Thickness: 15 mm.
    - Density: 800 kg/m^3.
    - Fixing: fixed to supporting accessory 1 using by means of screws by Knauf, dimensions Ø 3.5 x 25 mm, each 250 mm.

3 TEST REPORT

File number	25/32302289
Laboratory	LGAI Technological Center, S.A.
Sponsor	ROCKWOOL Ltd.
Test date	20th June, 2025
Test Standard	EN 1364-1:2015 "Fire resistance tests for non-loadbearing elements. Part 1: Walls"*

***This Standard corresponds to the current version on test date. Results obtained in this test are the ones used in this classification report.**

4 DETAILS AND TEST RESULTS

4.1 Details of the test

File number	**25/32302289**
Parameter	**Details**
Temperature-time curve	$T = 345 \log_{10} (8t+1) + 20$
Load applied	Not applied
Supporting construction	Left edge free (seen from unexposed side)
Number of exposed sides	1.

4.2 Summary of results

Time (min)	**Results**
108	Thermocouple nº 26 records an increase in temperature greater than 180 ºC above the average initial temperature.

4.3 Results

Test specimen	**31514-1**	
Criterion	**Minute failure**	**Reason**
Integrity	-	It is maintained during the test, 132 minutes.
Thermal Insulation	108	Thermocouple nº 26 records an increase in temperature greater than 180 ºC above the average initial temperature.

5 CLASSIFICATION

5.1 Reference of classification

This classification has been carried out in accordance with clause 7 of the standard EN 13501-2:2023.

5.2 Classification

The sample 31514-1 achieves the following fire resistance classification:

Non-loadbearing wall of 3000 x 5000 mm (width x height) with reference ROCKWOOL Fire Barrier EN.	**EI 90** **E 120**

Because of the nature of fire resistance testing and the consequent difficulty in quantifying the uncertainty of measurement of fire resistance, it is not possible to provide a stated degree of accuracy of the result.

The decision rule to declare conformance to the specification or standard, is by following a simple binary decision rule. In this case, the upper limit of the probability value of false acceptance or false rejection, according to ILAC G8, 50 %.

6 FIELD OF APPLICATION
(Section 13 of the standard EN 1364-1:2015).

This classification obtained is directly applicable to the constructions equal to the model tested when one or more of the following modifications are made:

Characteristics	Reference of sample tested	Modification permitted
Height	- 5000 mm	- Allowed decrease.
Width	- 3000 mm	- Allowed increase in construction identical to the sample tested.
Thickness	- 100 mm	- Allowed increase.
Thickness of the component materials.	- 2 x Fire Barrier Support Angle: 2 mm - 2 x Fire Barrier EN FFB1 G1: 50 mm - 2 x Fire Barrier Clamping Plate: 1.8 mm See section 2.2	- Allowed increase.
Reduction of the linear dimensions of the panels or board sizes.	- 2 x Fire Barrier Support Angle: 35 x 80 mm (section) - 2 x Fire Barrier EN FFB1 G1: • Exposed face: 1000 x 3000 mm (width x height). • Unexposed face: 1000 x 3600 mm - 2 x Fire Barrier Clamping Plate: 10 x 40 mm (section) See section 2.2	- Allowed decrease of linear dimensions of panels. - Not allowed decrease in thickness.
Distance between the fixing centres.	- See section 2 of this report.	- A decrease is permitted.
Horizontal joints.	- The sample incorporates horizontal joints in each layer. See section 2.6 of this report.	- Allowed increase in the number of horizontal joints of the type tested.
Vertical joints	- The sample incorporates vertical joints in each layer. See section 2.5 of this report.	- Allowed increase in the number of vertical joints of the type tested.
Horizontal and/or vertical joints	- Sample tested with horizontal/vertical joints.	- Allowed with horizontal and/or vertical joints of the type tested.

The data and reference values of the tested specimen not included in this section are described in Section 2 of this report. The modifications permitted within this field of direct application are based on the data included in this report and in its corresponding test report.

The period of validity is the one stated in the product certification system.

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

Digitally signed by
Daniel Sangorrin Burrueco

Fire Resistance Testing Technician
LGAI Technological Center, S.A.

The results of the tests carried out refer only and exclusively to the sample tested, and in the moment and under the conditions indicated herein.

LGAI Technological Center, S.A. is not responsible for the documentation and / or information provided by the petitionary and such information is not covered by the accreditation.

Service Quality Guarantee

Applus+, guarantees that this task has been carried out following the exigencies of our Quality and Sustainability System, complying with the contractual conditions and legal regulation.

Within the framework of our improvement programme, we appreciate any comment you may deem appropriate, addressing them to the responsible who signs this document or to the Quality Director of Applus+, to the address: satisfaccion.cliente@applus.com