



Product Guideline No.13

Bulk mineral wool-based products

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1 Purpose

This Product Guideline supplements the provisions in the General Guidelines.

This Product Guideline concerns mineral wool-based products in compliance with standard NF EN 14064-1 and intended to be:

- blown using a pneumatic machine onto the floor of roof spaces;
- injected using a pneumatic machine into a space between two walls;

The following are excluded from the field of application:

- mineral wool products made from waste or trimmings;
- mineral wool products made from products which have been declassified due to curing faults or lack of binder.

2 Additional elements of the certificate application technical file

The technical file defined in paragraph 2.2 of the General Guidelines is supplemented by the following items.

2.1 Proof of fitness for use

- Valid favourable Technical Assessment, Technical Application Document or type A ATEX; Pass'innovation

2.2 Description of the product

- Nature of the primary material
- Specificities of the product: sizing treatment, etc.

2.3 Additional justification

The mineral wool fibres must have been exonerated from rating as a carcinogen according to the provisions of notes Q or R of European Directive 97/69/EC (amended by regulation EC 1272/2008).

Note R allows exoneration based on diameter and note Q allows exoneration based on in-vivo testing.

For examination of its certificate application, the industrialist must provide the following in its technical file:

- a test report drafted by an independent laboratory;
- establishing exoneration of the fibres based on note Q or note R;
- in the case of in-vivo testing and exoneration according to the criteria of note Q, the test report must specify the chemical composition of the fibres tested.



In order to prove that the manufactured products are constituted of fibres similar to those tested, the following controls must be performed after acceptance of the product:

- Checking of the chemical composition or diameter of the fibres is performed at least once a month internally for each oven in each factory;
- Checking of the chemical composition or diameter of the fibres is performed at least once a year for each oven by an independent laboratory.

The lead member shall check that these provisions are being applied during follow-up audits of the production unit.

If the industrialist has third party controls in relation to the clauses described, ACERMI will take them into account.

The dossier can be supplemented by studies providing justification of the behaviour of the product in-situ with regard to settling and stability to wind.

3 Characteristics which can be certified

The characteristics which can be certified are the characteristics listed in paragraph 4 of standard NF EN 14064-1, supplemented by the following characteristics:

- Specific heat capacity

4 Methods of determination of the certified characteristics by the pilot laboratories

The test methods applied by the pilot laboratory for each of the characteristics are defined in paragraph 5 of standard NF EN 14064-1, supplemented by the following provisions.

4.1 Thermal conductivity

The provisions in Technical Specification No.1 apply.

4.2 Thermal resistance

Certified thermal resistance is defined according to the procedures in Technical Specification No.2.

The thickness of the thermal resistance test specimens is equal to the height of the frames used for measurements with an extra thickness of 20 mm so that the measurement can be taken without an air layer that could interfere with the result.



4.3 Settling

The settling class is defined according to the procedures in Technical Specification No.4.

Regardless of the density of the product to be used for injection in masonry walls and frame constructions, settling class S1 is required. It is measured in accordance with § 3.2 of Technical Specification No. 4.

4.4 Reaction to fire

The provisions in Technical Specification No.3 apply.

4.5 Specific heat capacity

The provisions in Technical Specification No.10 apply.

5 Factory production control

Production control in the production unit satisfies the requirements of appendix B of European standard NF EN 14064-1.

In addition to these provisions, for the following certified characteristics for the purposes of these regulations and described in detail in the various Technical Specifications, the procedures (methods and minimum test frequencies) provided for in this Technical Specification apply:

- Reaction to fire

In addition, the following specific provisions must be complied with.

5.1 Preparation of test specimens for products intended for blowing

5.1.1 Preparing the blowing machine

The provisions in Technical Specification No.8 apply.

5.1.2 Preparing the test specimens for verification of the covering power

The provisions in Technical Specification No.8 apply.

5.1.3 Preparing the specimens for thermal resistance or thermal conductivity

The provisions in Technical Specification No.8 apply.



6 Tests performed during follow-up

For characteristics requiring monitoring, random tests are conducted at least once a year according to the table below when relevant to the product in question.

The tests are conducted in accordance with the provisions in European standard NF EN 14064-1, supplemented if applicable by the procedures described in the Technical Specifications corresponding to the characteristics tested.

Characteristics (NF EN 14064-1)	Test methods	Place of performance of the tests
Thermal resistance – Thermal conductivity	NF EN 12667 NF EN 12939	Pilot laboratory
Covering power	NF EN 14064-1	Production unit and pilot laboratory
Weight of the sales unit	NF EN 14064-1	Production unit and pilot laboratory
Reaction to fire ¹	NF EN 13501-1	Pilot laboratory
Other characteristics or criteria	Test methods	Place of performance of the tests
Density	NF EN 1602	Production unit and Pilot laboratory for blowing

The certifying body may also perform verification tests to verify other characteristics not listed in the table below, in particular if there is any doubt as to the compliance of the certified values.

Random testing is performed for reaction to fire in the case of products coming under attestation of conformity system 1 for CE marking, in the case of the key-mark or at the manufacturer's request. In addition, for the follow-up tests, each test mentioned is performed on:

- 5 test specimens in the case of the non-combustibility test in an oven,
- 3 test specimens for determination of HHV,

¹ The reaction to fire classification is monitored by conducting random tests once every two years.



- 2 test specimens in the case of the SBI test with an additional specimen tested if the results obtained on the first two specimens exceed the threshold corresponding to the reaction to fire class.

Reaction to fire classes	Non-combustibility tests in oven EN ISO 1182	Determination of HHV EN ISO 1716	SBI EN 13823
A1	1 test on product of maximum density in maximum organic fraction	1 test on maximum organic fraction	-
A2	-	1 test on the product having the highest organic fraction	1 test on the product having the highest density among those having the highest organic fraction

7 Certificate maintenance rules

The certificate maintenance rules are defined in paragraph 4 of the General Guidelines.

Based on the results of the tests performed by the pilot body, product compliance is verified:

- For the covering power and the density according to the requirements of paragraph 4 of European standard NF EN 14064-1;
- For thermal performance according to paragraphs 2.4 of Technical Specification E;
- For the following characteristics certified under these regulations and described in detail in the various Technical Specifications, according to the conditions stipulated in these Technical Specifications:
 - Reaction to fire

8 Marking Rules

The marking rules laid out in Technical Specification D apply.

In particular, the information label complies with the provisions in paragraph 3.2 of this Technical Specification.