

General Site Supervision Certificate

Number: P-12-003246-PF02-ift
(AbP-K99-01-de-02)

(Translation of the German original, not verified by ift Rosenheim)

Subject-matter: "RUCO-FLAM NAF"

Corresponding to
running No. 2.10.2, construction products list A, part 2, edition
2012/1
flame-retardant building materials with burning behaviour
requirements only (building material class DIN 4102-B1)

Applicant: RUDOLF GMBH
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This general site supervision certificate comprises 8 pages and has no attachments.

DIBt (Deutsches Institut für Bautechnik – German institute for building technique) proved the item usable for the first time on 12 November 1998.

A General provisions

The general site supervision certificate proves the usability of the building product as defined by the “Landesbauordnungen” (state building regulations).

The general site supervision certificate does not replace legal approvals, consents and certificates required for implementing building projects.

The general site supervision certificate is granted irrespective of the rights of third parties, especially private proprietary rights.

Manufacturers and distributors of building products have to provide copies of the general site supervision certificate to the user of building products irrespective of further regulations under “Special provisions” and have to point out that the general site supervision certificate has to be available at the point of use. Authorities involved shall receive copies of the general site supervision certificate upon request.

The general site supervision certificate must always be copied completely. The publication of extracts requires the approval of ift Rosenheim. Texts and drawings of promotions must not contradict the general site supervision certificate. Translations of the general site supervision certificate must contain the remark “Translation of the German original, not verified by ift Rosenheim”.

The general site supervision certificate is granted revocably. The provisions of the general site supervision certificate can be amended, especially if new technical findings require it.

B Special provisions

1. Subject-matter of the general site supervision certificate and field of application

1.1 Subject-matter

- 1.1.1 The general site supervision certificate applies for the manufacture and use of: flame-retardant agent with the name "RUCO-FLAM NAF" for finishing cellulosic fibre material as well as dyed jute as a flame-retardant building material (building material class DIN 4102-B1) acc. to construction products list A, part 2, edition 2012/1, running No. 2.10.2.

1.2 Field of application

- 1.2.1 The flame retardant agent has to be used for finishing cellulosic fibre material as well as dyed jute.
- 1.2.2 The fabric finished with the flame-retardant agent must not be attached to the same or other flat building materials in distances of < 40 mm.
- 1.2.3 The building product must not be exposed to weather.
- 1.2.4 The fabric finished with the flame-retardant agent must be only used in rooms without humidity effects. The finish is not stable to the influence of water, weathering or dry cleaning.
- 1.2.5 Additional requirements or performance properties are not part of this general site supervision certificate.
This site supervision certificate is only valid if requirements according to the construction products list A, part 2, edition 2012/1, running No. 2.10.2 have to be fulfilled.
- 1.2.6 The proof of flame retardancy has not been furnished if the finished textiles are coated somehow or other (e.g. painted, laminated, etc.).
- 1.2.7 The applicant declares that the building product does not include any products that are subject to the direction on hazardous materials, the chemicals regulation or the CFC and halons ban and that he adheres to the conditions of the above-mentioned directions/regulations (especially the labelling obligation).
Moreover, the applicant declares that measures have been taken with regard to hygiene, health and environmental protection or have been made known in the required manner by the client - if this is required by trade, when putting into circulation or used.
This gave the inspection authorities no reason to check the effects of the building product on health and environmental protection.

2 Provisions regarding building product

2.1 Properties and composition

- 2.1.1 The flame-retardant agent has to consist of water-soluble granulate based on inorganic salts.
- 2.1.2 The flame-retardant agent has to be manufactured in a manner that cellulosic fibre material and jute fabric finished with it meet the requirements of flame-retardant building materials (building material class DIN 4102-B1) acc. to DIN 4102-1: 1998-05, chapter 6.1).
- 2.1.3 The composition of "RUCO-FLAM NAF" must correspond to the information lodged with ift Rosenheim.
- 2.1.4 Basis for granting the general site supervision certificate

Name of inspection authorities	Report/s	Test procedure
ift Rosenheim	12-003246-PR01 Date: 13 November 2012	DIN 4102-1 DIN 4102-16 DIN 4102-15

2.2 Manufacturing, packaging, transport, storage

- 2.2.1 Stipulations as to packaging, transport and storage have to be made only if necessary for securing the use of the item.
- 2.2.2 Manufacturing has to be carried out in a manner that the building material complies with the indications under point 2.1.

2.3 Conformity symbol

The manufacturer has to label each building product with the conformity symbol (Ü-symbol) according to the regulation on conformity symbols of the federal states. The Ü-symbol with the prescribed data has to be fixed on the building product, the instruction leaflet, on its packaging, the delivery note or attachments to the delivery note.

- product name
- conformity symbol (Ü-symbol) with
 - manufacturer's name
 - production plant
 - number of general site supervision certificate
 - graphical symbol or name of certification body
 - "Building material class flame-retardant (DIN 4102-B1)"

3 Certificate of conformity

3.1 General

The building product indicated in the general site supervision certificate needs to prove the conformity according to the certificate of conformity in compliance with the stipulations made in the construction products list A, part 2, edition 2012/1, running No. 2.10.2.

The conformity with the regulations of a general site supervision certificate must be confirmed for each production site by means of a conformity certificate based on an in-company production control and a regular external supervision.

For granting the certificate of conformity and for carrying out external supervision inclusive of necessary product testing, the manufacturer of the building material has to involve recognised certification and supervision bodies.

3.2 In-company production control

An in-company production control has to be established and carried out at each individual production site.

In-company production control means the continuous production supervision by the manufacturer by which he ensures that the building products manufactured by him comply with the regulations of this general site supervision certificate.

For sustaining and carrying out in-company production control, the “directives of the compliance certificate” ¹ as well as DIN 18200 in its valid version shall prevail.

The results of the in-company production control have to be recorded and assessed.

The records have to include the following information:

- Name of building product
- Type of control
- Date of manufacture and date of building product control
- Results of controls and, if applicable, comparison with requirements
- Signature of the person responsible for the in-company production control

The records of the in-company production control must be archived for at least 5 years and be presented to the supervision body involved in the external supervision.

¹ The “directives of the compliance certificate of flame-retardant building materials (building material class DIN 4102-B1) according to the general site supervision authorisation” have been published in the “notes of the Deutsches Institut für Bautechnik” (German institute for building technique) of 1st April 1997.

In case of insufficient results of controls the manufacturer has to take immediate steps to remedy defects and eliminate products concerned.

The in-company production control has to ensure that building products which do not comply with the requirements are not conformity-labelled and that confusions with complying ones are excluded.

If technically possible and necessary for proving the remedy of the defect - the respective control has to be repeated immediately after remedying the defect.

3.3 External supervision

At every production site, the in-company production control has to be regularly verified, usually twice a year, by an external supervision body.

Standard for the supervision are the "directives of the compliance certificate" in the valid version and DIN 4102-1.

The external supervision must include an initial inspection of the building product. In addition, samples for spot tests can be taken. The recognised supervision body is responsible for the sampling and the tests.

Type, scope and frequency of action to be carried out in the external supervision by the supervision body as well as the initial inspection and spot tests by type and scope are stipulated in the "directives of the compliance certificate".

The recognised supervision body is responsible for the sampling and the tests.

The results of the certification and external supervision must be archived for at least 5 years. The certification or supervision body have to submit them on demand to the responsible supreme building control authority.

4 Provisions for design and dimensioning

4.1 Design

4.1.1 No specifications

4.2 Dimensioning

4.2.1 No specifications

5 Provisions for construction, fitting

5.1.1 The flame-retardant agent "RUCO-FLAM NAF" has to be applied to cellulosic fibre material or to dyed jute.

The dry add-on of the flame retardant agent must be

- ca. 180 g/kg for light cellulosic fibre material (≤ 150 g/m² square metre weight, unfinished)
- ca. 180 g/kg for heavy cellulosic fibre material (> 150 g/m² square metre weight, unfinished)
- ca. 180 g/kg for jute (ca. 310 g/m² square metre weight, unfinished).

5.1.2 The fabric finished with the flame-retardant agent must not be attached to the same or other flat building materials in distances of < 40 mm.

5.1.3 The fabric finished with the flame-retardant agent must be only used in rooms without humidity effects. The finish is not stable to the influence of water, weathering or dry cleaning.

6 Provisions for use, maintenance

No specifications

7 Advice on legal remedies

Issuing this general site supervision certificate is an administrative act, against which an objection can be filed. The objection has to be filed within one month after the delivery of this general site supervision certificate, either in writing or for record at **ift** Rosenheim GmbH, Theodor-Gietl-Strasse 7 – 9, 83026 Rosenheim. Should this period not be observed due to the fault of one of your delegates, it would be blamed to the applicant.

8 Legal basis

This general site supervision certificate is issued on the basis of article 17 of the “Bayerische Bauordnung” (BayBO = Bavarian Building Regulations), version of 04/03/2010 in connection with the construction products list A, part 2, edition 2012/1.

The state building regulations of the other federal states include the respective legal basis.