# General site supervision certificate

**Certificate number:** **P-22-004157-PR04-ift**
(AbP-K88-01-de-01)

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

**Subject matter:** **Flame retardant for textiles with the product name "RUCO-FLAM NGF"**

corresponding to
Bavarian Technical Building Regulations (Bay TB), point C 3.4, June 2022 edition
Building products that only have to comply with certain burning behaviour requirements and that are flame-retardant (building material class DIN 4102-B1).

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**Valid from** 01.12.2022

**Valid to:** 01.12.2027

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This general site supervision certificate is 8 pages long.

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# A General provisions

The general site supervision certificate provides evidence of the usability of the building product in terms of the state building regulations.

The general site supervision certificate does not replace the approvals, consents and certificates prescribed by law 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 the building product must provide copies of the general site supervision certificate to the user of the building product irrespective of further regulations under “Special provisions” and must point out that the general site supervision certificate has to be available at the point of use. The authorities involved shall be provided with copies of the general site supervision certificate upon request.

The general site supervision certificate may only be reproduced in full. The publication of extracts requires the approval of ift Rosenheim. Texts and drawings of promotional literature 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 granted on a revocable basis. The provisions of the general site supervision certificate can be amended at a later date, especially if new technical findings require it.

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# B Special provisions

## 1 Subject matter of the general site supervision certificate and field of use/application

### 1.1 Subject matter

1.1.1 The general site supervision certificate applies to the manufacture and use of the flame retardant for textiles with the product name "RUCO-FLAM NGF", as a flame retardant building material (building material class DIN 4102-B1) according to the Bavarian Technical Building Regulations (Bay TB), point C 3.4, June 2022 edition.

### 1.2 Field of use/application

1.2.1 The product may be used as a fire-retarding agent for the finishing of cellulose fibre fabrics in all colours - including jute.

1.2.2 The building product must not be exposed to the weather outdoors.

1.2.3 The fabric finished with flame retardant may only be used in rooms with no moisture penetration. The finish is not resistant to exposure to water/weather nor to chemical cleaning.

1.2.4 The building product must keep a distance > 40 mm to adjacent building materials.

1.2.5 Additional requirements or further performance properties are not part of this general site supervision certificate.
This general site supervision certificate applies only insofar as requirements according to the Bavarian Technical Building Regulations (Bay TB), point C 3.4, June 2022 edition, need to be fulfilled.

1.2.6 The evidence of flame retardancy is not deemed to be provided if the building product is finished with coatings of any kind (e.g. paints, laminations, etc.).

1.2.7 The applicant has declared that the building product does not contain any products that are subject to Regulation (EC) 1907/2006 (REACH) and Regulation (EC) 1272/2008 (CLP) as well as Regulation (EC) 1005/2009 and the Chemical Ozone Layer Ordinance (D) and that it complies with obligations of the above-mentioned ordinances (particularly the labelling requirement). 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 for the purpose of trade, putting into circulation or for use.
This gave the inspection body no reason to check the effects of the building product on health and environmental protection.

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# 2 Provisions for the building product

## 2.1 Properties and composition

2.1.1 The flame retardant is a clear liquid and must be manufactured on the basis of a phosphorous compound.

2.1.2 The flame retardant is to be manufactured so that the cellulose fabric and jute finished with it meet the requirements of flame retardant building materials (building material class DIN 4102-B1) according to DIN 4102-1:1998-05, Section 6.1.

2.1.3 The composition of the building product must match the specifications filed at ift Rosenheim.

2.1.4 The basic principles for granting the general site supervision certificate are filed at ift.

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## 2.2 Manufacture, packaging, transport, storage

2.2.1 Stipulations as to packaging, transport and storage only have to be made if these are necessary to ensure the use/application of the subject matter.

2.2.2 The manufacture has to be carried out in such a manner that the building material complies with the information given under

### 2.3.1 Ü-symbol

The manufacturer has to label each building product with the conformity symbol (Ü-symbol) according to the conformity symbol regulations of the federal states. The Ü-Zeichen with the prescribed information has to be fixed on the building product, the instruction leaflet, on the packaging, on the delivery note or on any attachment to the delivery note.

- Product name
- Conformity symbol (Ü-symbol) with

  - Name of the manufacturer
  - Manufacturing plant
  - Certificate number of the general site supervision certificate
  - Graphical symbols or designations of the certification body (“building material class flame retardant (DIN 4102-B1))”

# 3 Certificate of conformity

## 3.1 General

According to the specifications in the Bavarian Technical Building Regulations (Bay TB), June 2022 issue, point C 3.4, the building product listed in this general site supervision certificate requires, for the confirmation of conformity, evidence provided by

- Certificate of conformity.

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

For granting the certificate of conformity and for carrying out external supervision including the necessary product testing, the manufacturer must involve a recognised certification body and a supervision authority recognised for this purpose.

## 3.2 In-company production control

An in-company production control shall be established and carried out at each individual manufacturing plant.

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

For maintaining and implementing in-company production control, the "Certificate of conformity regulations for flame-retardant building materials" [1]as well as the relevant version of DIN 18200 are pertinent.

The results of the in-company production control shall be recorded and evaluated.

The records must include at least the following information:

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

The records on the in-company production control must be retained for at least five years and presented to the external supervision authority involved.

1 The "Certificate of conformity regulations for flame-retardant building materials" (building material class DIN 4102-B1) in accordance with general site supervision approval are published in the "Notifications of the German Institute for Building Technology" dated 1 April 1997.

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If the results are unsatisfactory, the manufacturer must immediately take the necessary steps to remedy defects and withdraw the products concerned.
The in-company production control must ensure that building products which do not comply with the requirements are not labelled with an Ü-symbol and that any mix-ups with products that meet the requirements are excluded.
Once the defect is remedied, the respective inspection has to be repeated immediately – if technically possible and necessary to prove the rectification of the defect.

### 3.3 External monitoring

At every manufacturing plant, the in-company production control has to be regularly verified, at least once a year, by an external supervision authority.

For carrying out the monitoring process, the “Certificate of conformity regulations” [1] in the relevant version and DIN 4102-1 are pertinent.

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

The type, scope and frequency of activities that the supervision authority must carry out in connection with external monitoring as well as initial inspection and spot tests according to type and scope are stipulated in the "Certificate of conformity regulations” [1].
The recognised supervision authority is responsible for the sampling and the tests.

The results of the certification and external monitoring process must be retained for at least five years. They must be presented on request to the responsible supreme building supervisory board by the certification body or supervision authority.

## 4 Provisions for design and dimensioning

### 4.1 Design

4.1.1 No stipulations

### 4.2 Dimensioning

4.2.1 No stipulations

## 5 Provisions for design execution, installation

5.1.1 The flame retardant “RUCO-FLAM NGF” is to be applied on cellulose fabric – including jute – in all colours.

5.1.2 The dry coating of flame retardant must be, in case of:

- lightweight cellulose fabric (≤ 150 g/m$^2$ surface weight unfinished): approx. 200 g/kg
- heavy cellulose fabric (> 150 g/ m2 surface weight unfinished): approx. 200 g/kg
- jute (from 270 g/m$^2$ to 300 g/m$^2$ surface weight unfinished): approx. 200 g/kg.

5.1.3 The fabric finished with the flame retardant must not be attached at a distance < 40 mm from similar or other flat building materials.

5.1.4 The fabric finished with flame retardant may only be used in rooms with no moisture penetration. The finish is not resistant to exposure to water/weather nor to chemical cleaning.

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## 6 Provisions for use, maintenance

6.1.1 No stipulations

## 7 Advice on legal remedies

Granting 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 upon receipt of this general site supervision certificate, either in writing or for record at ift Rosenheim, Theodor-Gietl-Strasse 7-9, 83026 Rosenheim. If this deadline is missed due to the fault of one of your authorised representatives, their blame would be attributed to the applicant.

## 8 Legal basis

This general site supervision certificate is granted on the basis of Art. 19 of the Bavarian Building Regulations (BayBO) in the version of 14 August 2007, last amended by Sections 1 and 2 of the law of 8 November 2022, in conjunction with Point C 3.4 of the Bavarian Technical Building Regulations (Bay TB), June 2022 edition.
Corresponding legal bases are contained in the state building regulations of the other federal states.

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