Deutsches Institut für Bautechnik

Zulassungsstelle für Bauprodukte und Bauarten

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Authorised and notified according to Article 10 of the Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions of Member States relating to construction products (89/106/EEC)

Deutsches Institut für Bautechnik

DIBt

Mitglied der EOTA
Member of EOTA

European Technical Approval ETA-13/0165

English translation prepared by DIBt - Original version in German language

Handelsbezeichnung *Trade name*	"Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" und "Brandschutzmasse DBU Spachtel" *"Brandschutzgewebe DBU", Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel"*
Zulassungsinhaber *Holder of approval*	Adolf Würth GmbH & Co. KG Reinhold Würth Straße 12-17 74650 Künzelsau DEUTSCHLAND
Zulassungsgegenstand und Verwendungszweck *Generic type and use of construction product*	Biegsame, im Brandfall aufschäumende Brandschutzgewebe und im Brandfall aufschäumende Brandschutzmassen *Flexible intumescent fabrics and intumescent putties*
Geltungsdauer: *Validity:* vom *from*	23 April 2013
bis *to*	23 April 2018
Herstellwerk *Manufacturing plant*	1

Diese Zulassung umfasst *This Approval contains*	12 Seiten einschließlich 1 Anhang *12 pages including 1 annex*

I LEGAL BASES AND GENERAL CONDITIONS

1 This European technical approval is issued by Deutsches Institut für Bautechnik in accordance with:

Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of Member States relating to construction products[1], modified by Council Directive 93/68/EEC[2] and Regulation (EC) N° 1882/2003 of the European Parliament and of the Council[3];
Gesetz über das In-Verkehr-Bringen von und den freien Warenverkehr mit Bauprodukten zur Umsetzung der Richtlinie 89/106/EWG des Rates vom 21. Dezember 1988 zur Angleichung der Rechts- und Verwaltungsvorschriften der Mitgliedstaaten über Bauprodukte und anderer Rechtsakte der Europäischen Gemeinschaften (Bauproduktengesetz - BauPG) vom 28. April 1998[4], as amended by Article 2 of the law of 8 November 2011[5];
Common Procedural Rules for Requesting, Preparing and the Granting of European technical approvals set out in the Annex to Commission Decision 94/23/EC[6].

2 Deutsches Institut für Bautechnik is authorized to check whether the provisions of this European technical approval are met. Checking may take place in the manufacturing plant. Nevertheless, the responsibility for the conformity of the products to the European technical approval and for their fitness for the intended use remains with the holder of the European technical approval.

3 This European technical approval is not to be transferred to manufacturers or agents of manufacturers other than those indicated on page 1, or manufacturing plants other than those indicated on page 1 of this European technical approval.

4 This European technical approval may be withdrawn by Deutsches Institut für Bautechnik, in particular pursuant to information by the Commission according to Article 5(1) of Council Directive 89/106/EEC.

5 Reproduction of this European technical approval including transmission by electronic means shall be in full. However, partial reproduction can be made with the written consent of Deutsches Institut für Bautechnik. In this case partial reproduction has to be designated as such. Texts and drawings of advertising brochures shall not contradict or misuse the European technical approval.

6 The European technical approval is issued by the approval body in its official language. This version corresponds fully to the version circulated within EOTA. Translations into other languages have to be designated as such.

1 Official Journal of the European Communities L 40, 11 February 1989, p. 12
2 Official Journal of the European Communities L 220, 30 August 1993, p. 1
3 Official Journal of the European Union L 284, 31 October 2003, p. 25
4 *Bundesgesetzblatt Teil I 1998*, p. 812
5 *Bundesgesetzblatt Teil I 2011*, p. 2178
6 Official Journal of the European Communities L 17, 20 January 1994, p. 34

II SPECIFIC CONDITIONS OF THE EUROPEAN TECHNICAL APPROVAL

1 Definition of product/ products and intended use

1.1 Definition of the construction product

This European technical approval (ETA) applies to the construction products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel".

"Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" are factory-made flexible intumescent fabrics.

"Brandschutzmasse DBU Dispersion" is produced as an intumescent coating in the colour grades anthracite, black and red. "Brandschutzmasse DBU Spachtel" is an intumescent putty.

The fire sealing effect of the products bases on the creation of foam at high temperatures in case of fire, that closes gaps, joints and other openings of construction elements and restricts the passage of heat, flame and/or smoke this way.

The intumscent coating "Brandschutzmasse DBU Dispersion" and the intumescent putty "Brandschutzmasse DBU Spachtel" harden when applied and form intumescent layers which react in case of fire.

The construction products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" are tight and tearproof intumescent fabrics consisting of a glass filament fabric[7] which is mechanically covered with the intumescent coating "Brandschutzmasse DBU Dispersion" on one side.

The flexible intumescent fabric "Brandschutzgewebe DBU" is mechanically covered with "Brandschutzmasse DBU Dispersion" on one side and on the other side it is covered with a coating of Polyurethan[8] pigmented optionally in the colour grades grey, red, black or white.

The flexible intumescent fabric "Brandschutzgewebe DBU Vlies" is mechanically covered with "Brandschutzmasse DBU Dispersion", additionally reinforced with a fibre glass scrim[7] on one side, and mechanically coated with a grey pigmented layer of Polyurethan[8] on the other side.

The flexible intumescent fabric "Brandschutzgewebe DBU selbstklebend" is the glass filament fabric mechanically covered with "Brandschutzmasse DBU Dispersion" on one side and equipped with an acrylic self-adhesive foil on the other side.

The flexible intumescent fabrics "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" are produced as endless rolls, cut and delivered in the preferable length of 10 m or 20 m.

The products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" may be delivered as intumescent strips or mats of any dimension on request.

The intumescent coating "Brandschutzmasse DBU Dispersion" and the intumescent putty "Brandschutzmasse DBU Spachtel" are delivered in pails and containers of different capacity or in cartridges.

7 Type, manufacturer and characteristics deposited at DIBt.
8 Required quantity and composition deposited at DIBt

The characteristics and performances of the flexible intumescent products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel" relevant for fire sealing purposes were determined as follows[9]:

"Brandschutzgewebe DBU"

- thickness: 0,6 mm to 2,2 mm
- mass per unit area:
  - for thickness 0,6 mm: 0,700 kg/m² to 0,850 kg/m²
  - for thickness 2,2mm: 2,400 kg/m² to 2,650 kg/m²
- loss of mass on heating: 53,0 % ± 5 %
  (tested at 550 °C for 30 minutes)
- expansion ratio: 15,5 to 22,0
  (tested at 550 °C for 30 minutes with a top-load; thickness of the samples ca. 2 mm)[10]
- expansion pressure: 1,00 N/mm² to 1,65 N/mm²
  (tested at 300 °C, method 4)[10]

Additionally the tensile strength was determined according to DIN EN ISO 10319[11]:

thickness of the intumescent fabric		ca. 1,6 mm	ca. 0,6 mm
ultimate elongation in %	longitudinal	3,6	4,2
	transverse	4,4	4,5
ultimate tensile strength in kN/m	longitudinal	56,0	60,7
	transverse	34,5	41,4

"Brandschutzgewebe DBU selbstklebend"

- thickness: 0,6 mm to 2,2 mm
- mass per unit area:
  - for thickness 0,6 mm: 0,750 kg/m² to 0,900 kg/m²
  - for thickness 2,2mm: 2,450 kg/m² to 2,700 kg/m²
- loss of mass on heating: 53,0 % ± 5 %
  (tested at 550 °C for 30 minutes)
- expansion ratio: 15,5 to 22,0
  (tested at 550 °C for 30 minutes with a top-load; thickness of the samples ca. 1,6 mm)[10]
- expansion pressure: 1,00 N/mm² to 1,65 N/mm²
  (tested at 300 °C, method 4)[10]

9 Test methods in accordance with the CUAP 11.04/06, edition December 2011; see EOTA Technical Report 024 (TR 024), edition July 2009

10 Details of testing are deposited at DIBt.

11 DIN EN ISO 10319:2008 Geosynthetics; Wide-width tensile test

"Brandschutzgewebe DBU Vlies"

– thickness:	1,5 mm to 1,8 mm
– mass per unit area:	1,900 kg/m² to 2,320 kg/m²
– loss of mass on heating:	38,5 % ± 5 % (tested at 550 °C for 30 minutes)
– expansion ratio:	12,5 to 16,0 (tested at 550 °C for 30 minutes with a top-load; thickness of the samples ca. 1,6 mm)[10]
– expansion pressure:	1,30 N/mm² to 1,80 N/mm² (tested at 300 °C, method 4)[10]

Additionally the ultimate elongation was measured 7,2 % (longitudinal) and 7,7 % (transverse) and the ultimative tensile strength 141,8 KN/m (longitudinal) and 48,8 kN/m (transverse) according to DIN EN ISO 10319[11].

"Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel"

– density of "PYRO-SAFE DG" (coating):	1200 kg/m3 ± 10 %
density of "PYRO-SAFE DG-SC" (putty):	1300 kg/m³ ± 10 %
– content of non-volatiles:	70 % ± 5 % (tested at 105°C for 3 h)
– loss of mass on heating:	59,0 % ± 5 % (tested at 550 °C for 30 minutes)
– expansion ratio:	15,0 to 26,5 (tested at 550 °C for 30 minutes with a top-load)[10]
– expansion pressure:	1,00 N/mm² to 1,90 N/mm² (tested at 300 °C, method 4)[10]

1.2 Intended use

The construction products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" as well as "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel" are intended to be used as components essential for the fire sealing and fire stopping effect of construction products, elements and assemblies, which shall meet requirements concerning the safety in case of fire. The construction products prevent the heat transmission and the propagation of fire by creating foam.

The intumescent fire sealing products according to this ETA in end use conditions may be subjected to conditions for the use category type X (out-door use). This includes the use in accordance with the use categories type Z_2, Z_1, Y_2 and Y_1.[12]

If the construction products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel" are intended to be exposed to specific conditions, further tests are necessary.

[12] See EOTA Technical Report 024 (TR 024), edition July 2009, clause 4.1, use categories, Note 5.

The provisions made in this European technical approval are based on an assumed working life in end use application of the construction products "Brandschutzgewebe DBU" "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel" of 10 years, provided that the conditions laid down in sections 4.2, 5.1 and 5.2 for packaging, transport, storage, installation, use, maintenance and repair are met.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or the approval body, but are to be regarded only as a means for choosing the right product in relation to the expected economically reasonable working life of the works.

2 Characteristics of the product and methods of verification

2.1 Mechanical resistance and stability

Not relevant

2.2 Safety in case of fire

2.2.1 Reaction to fire

The construction products "Brandschutzgewebe DBU" and "Brandschutzmasse DBU Dispersion" comply concerning reaction to fire with the requirements of class B-s1,d0 according to EN 13501-1[13].

The construction products "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies" and "Brandschutzmasse DBU Spachtel" comply concerning reaction to fire with the requirements of class E according to EN 13501-1[13].

NOTE:

A European reference fire scenario for façades is not available. In some Member States the classification of the intumescent fire sealing products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel" according to EN 13501-1:2007+A1:2009 might possibly not be sufficient for the use in façades. An additional assessment of the products according to national provisions (e.g. on the basis of a large scale test) might be necessary to comply with Member State regulations, until the existing European classification system has been completed.

2.2.2 Resistance to fire

The fire resistance of a fire resistant assembly containing the flexible intumescent fire sealing fabric "Brandschutzgewebe DBU" or the flexible intumescent fabric "Brandschutzgewebe DBU Vlies" and/or the intumescent coating "Brandschutzmasse DBU Dispersion" as an effective fire sealing component was tested according to the relevant test method for classification according to EN 13501-2[14].

These tests basically qualify the flexible intumescent fire sealing fabrics "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" as well as the intumescent coating "Brandschutzmasse DBU Dispersion" and the intumescent putty "Brandschutzmasse DBU Spachtel" for final applications in fire resistant assemblies.

[13]	EN 13501-1:2009	Fire Classification of construction products and building elements, Part 1: Classification using test data from reaction to fire tests.
[14]	EN13501-2	Fire classification of construction products and building elements, Part 2: Classification using data from fire resistance tests, excluding ventilation services.

The performance "resistance to fire" is not being considered in more detail in this ETA.

2.3 Hygiene, health and the environment

2.3.1 Air and water permeability

Not relevant

2.3.2 Release of dangerous substances

According to the manufacturer's declaration and the chemical compositions deposited[15], the intumescent products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel" do not contain dangerous substances as registered in the Council Directive 76/769/EEC (amended by EC Decision 455/2009/EC of 6 May 2009)[16] or listed in the database of the European Commission; published in the Regulation (EC) N° 1272/2008 of 16 December 2008[17].

NOTE:

In addition to the specific clauses relating to dangerous substances contained in this European technical approval, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Directive, these requirements need also to be complied with, when and where they apply.

2.4 Safety in use (mechanical resistance and stability)

Not relevant

2.5 Protection against noise

Not relevant

2.6 Energy, economy and heat retention

Not relevant

2.7 Aspects of durability and servicebility

The construction products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" and "Brandschutzmasse DBU Spachtel" were tested for the use category type X^9.

No essential changes of the intumescent properties "expansion ratio" and "expansion pressure" could be assessed.

Conclusion:

The construction products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend", "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersio" and "Brandschutzmasse DBU Spachtel" in final use conditions can be exposed to in-door conditions with and without high humidity and to permanent or occasional condensation as well as to external weathering without expecting essential changes of the intumescent properties expansion ratio and expansion pressure.

15 The detailed chemical composition was presented to DIBt for assessment and is deposited at DIBt.
16 Official Journal of the European Communities L 137 of 3 June 2009, p 3
17 Official Journal of the European Communities L 353 of 31 December 2008, p 1

Voluntarily the following additional verifications concerning the durability and serviceability of the products were provided[18]:

- exposure to a permanent temperature of 80 °C for 40 days,
- subsequent over-painting with paints on the basis of:
  - acrylic dispersion
  - alkyd resin
  - polyurethane acrylic
  - epoxy resin,
- exposure to permanent wetness,
- exposure to solvents as:
  - butyl acetate
  - butanol
  - solvent naphtha
  - fuel,
- contact with plastics (PVC, PE).

After these exposures no essential changes of the intumescent properties expansion ratio and expansion pressure could be assessed.

3 Evaluation and attestation of conformity and CE marking

3.1 System of attestation of conformity

According to the Decision 1999/454/EG of the European Commission[19], system 1 of the attestation of conformity applies.

In addition, according to the Decision 2001/596/EC of the European Commission[20] system 3 of the attestation of conformity applies with regard to reaction to fire.

These systems of attestation of conformity are defined as follows:

System 1: Certification of the conformity of the product by a notified certification body on the basis of:

(a) Tasks for the manufacturer:
  (1) factory production control (FPC);
  (2) further testing of samples taken at the factory by the manufacturer in accordance with a prescribed test plan;

(b) Tasks for the notified body:
  (3) initial type–testing of the product;
  (4) initial inspection of factory and of factory production control;
  (5) continuous surveillance, assessment and approval of factory production control.

System 3: Declaration of conformity of the product by the manufacturer on the basis of:

(a) Tasks for the manufacturer:
  (1) factory production control (FPC);

(b) Tasks for the notified body:
  (2) initial type-testing of the product.

18 EOTA Technical Report 024 (TR 024), version July 2009, clause 4.3
19 Official Journal of the European Communities L 178/42 of 14 July 1999
20 Official Journal of the European Communities L 209/33 of 2 August 2001

3.2 Responsibilities

3.2.1 Tasks for the manufacturer

3.2.1.1 Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall insure that the product is in conformity with this European technical approval.

The manufacturer may only use raw materials and components stated in the technical documentation of this European technical approval.

The factory production control (FPC) shall be in accordance with the control plan which is part of the technical documentation of this European technical approval. The control plan is laid down in the context of the FPC system operated by the manufacturer and deposited with Deutsches Institut für Bautechnik.[21]

The results of FPC shall be recorded and evaluated in accordance with the provisions of the control plan.

3.2.1.2 Other tasks for the manufacturer

The manufacturer shall, on the basis of a contract, involve a body which is notified for the tasks referred to in section 3.1 in the field of fire sealing and fire stopping products in order to undertake the actions laid down in section 3.2.2. For this purpose, the control plan referred to in sections 3.2.1.1 and 3.2.2 shall be handed over by the manufacturer to the notified body involved.

The manufacturer shall make a declaration of conformity, stating that the construction product is in conformity with the provisions of this European technical approval ETA-13/0165 issued on 23 April 2013.

3.2.2 Tasks for the notified bodies

The notified body shall perform the

- initial type-testing of the product (systems 1 and 3),
- initial inspection of factory and of factory production control (systems 1),
- continuous surveillance, assessment and approval of factory production control (system 1)

in accordance with the provisions laid down in the control plan of 09.04.2013.

The notified body shall retain the essential points of its actions referred to above and state the results obtained and conclusions drawn in a written report.

The notified certification body involved by the manufacturer shall issue an EC certificate of conformity of the product stating the conformity with the provisions of this European technical approval.

In cases where the provisions of the European technical approval and its control plan are no longer fulfilled the certification body shall withdraw the certificate of conformity and inform Deutsches Institut für Bautechnik without delay.

[21] The "control plan" is a confidential part of the European technical approval and only handed over to the notified body/bodies involved in the procedure of attestation of conformity. See section 3.2.2.

3.3 CE marking

The CE marking shall be affixed on the product itself or the label attached to it or on packaging or the accompanying commercial document, e.g. the EC declaration of conformity.

The letters ”CE” shall be followed by the identification number of the notified certification body, where relevant, and be accompanied by the following additional information:

- the name and address of the producer (legal entity responsible for the manufacture),
- the last two digits of the year in which the CE marking was affixed,
- the number of the EC certificate of conformity for the product,
- the number of the European technical approval,
- the generic type of product,
- the use categories.

Example: see annex 1

4 Assumptions under which the fitness of the product for the intended use was favourably assessed

4.1 Manufacturing

The European technical approval is issued for the flexible intumescent fabrics "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" and for the intumescent coating "Brandschutzmasse DBU Dispersion" as well as for the intumscent putty "Brandschutzmasse DBU Spachtel" on the basis of agreed data and information, which identify the product assessed and judged and which are deposited at Deutsches Institut für Bautechnik.

Changes concerning the products or the production process, which could result in the fact, that deposited data and information are invalid or incomplete, should be notified to Deutsches Institut für Bautechnik before implementing the changes.

The Deutsches Institut für Bautechnik will decide whether or not such changes affect the approval and consequently the validity of the CE marking on the basis of the approval and if so whether further assessment or modifications to the approval shall be necessary.

4.2 Installation

Additionally installed cover sheets for mechanical protection must not restrict the creation of foam of the flexible intumescent fire sealing fabrics products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" or of the intumescent coating "Brandschutzmasse DBU Dispersion" or the intumescent putty "Brandschutzmasse DBU Spachtel".

The intumescent fabrics products "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" may be cut on site using appropriate tools.

The manufacturer's installation instruction shall be considered.

5 Indications for final use

5.1 Packaging, transport and storage

The flexible intumescent fabrics "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" should be protected against mechanical damage and from direct weathering during transport.

The flexible intumescent fabrics "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies" may be stored under normal in-door conditions at temperatures between +2 °C and +50 °C and at a relative humidity up to 85 %.

Cartridges, pails and containers partially used of the coating "Brandschutzmasse DBU Dispersion" or of the putty "Brandschutzmasse DBU Spachtel" should be used up within 28 days.

Idle pails, cartridges and containers may be stored for 18 month.

5.2 Use, maintenance, repair

Damaged sections of "Brandschutzgewebe DBU", "Brandschutzgewebe DBU selbstklebend" and "Brandschutzgewebe DBU Vlies", "Brandschutzmasse DBU Dispersion" or "Brandschutzmasse DBU Spachtel" shall be only replaced by new, unspoiled sections of the same product with identical thickness. The substitution shall be carried out carefully. The required quantity of material and the total thickness of material shall be maintained.

Prof. Gunter Hoppe
Head of Department

beglaubigt:
Dr.-Ing. Dierke

ANNEX 1

Example of CE marking for the construction product "Brandschutzgewebe DBU"

CE	Symbol "CE"
XXXXX	Identification number of notified certification body for AoC system 1
Adolph Würth GmbH & Co. KG Reinhold Würth Str. 12 - 17 D-74650 Künzelsau	Name and address of the producer (legal entity responsible fort he manufacturer)
xx	Two last digit of year of affixing CE marking for AoC system 1
xxxx-CPD-xxxx	Number of EC certificate of conformity
ETA-13/0165	ETA number
Biegsames, aufschäumendes Brandschutzgewebe *Flexible intumescent fire sealing fabric* "Brandschutzgewebe DBU"	Generic type of product and trade name: "Brandschutzgewebe DBU" or other type of product according to this ETA, clause 1.1
Nutzungskategorien *Use categories* Typ/*type* X, Y_1, Y_2, Z_1, Z_2 (Innen- und Außenanwendung/ *in-door and out-door use*)	Use categories according to ETA-13/0165