

European Technical Approval ETA-13/0269

English translation prepared by DIBt - Original version in German language

Handelsbezeichnung
Trade name

Fugenfüll-System "Litaflex SM 30+AF"
joint filling system "Litaflex SM 30+AF"

Zulassungsinhaber
Holder of approval

Rex Industrie-Produkte
Graf von Rex GmbH
Großaltdorfer Straße 59
74541 Vellberg
DEUTSCHLAND

Zulassungsgegenstand
und Verwendungszweck
*Generic type and use
of construction product*

Linenförmige Fugenabdichtungen und Brandsperren
Linear Joint and Gap Seals

Geltungsdauer:
Validity: vom
from
bis
to

9 April 2013
9 April 2018

Herstellwerk
Manufacturing plant

1

Diese Zulassung umfasst
This Approval contains

16 Seiten einschließlich 8 Anhänge
16 pages including 8 annexes

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 products¹, modified by Council Directive 93/68/EEC² and Regulation (EC) N° 1882/2003 of the European Parliament and of the Council³;
 - *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 1998⁴, as amended by Article 2 of the law of 8 November 2011⁵;*
 - Common Procedural Rules for Requesting, Preparing and the Granting of European technical approvals set out in the Annex to Commission Decision 94/23/EC⁶;
 - Guideline for European technical approval of "Fire Stopping and Fire Sealing Products - Part 3: Linear Joint and Gap Seals", ETAG 026-03.
- 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 the product and intended use

1.1 Definition of the construction product

This European technical approval applies for the joint filling system with the designation "Litaflex SM 30+AF".

The joint filling system consists of a sealing element – depending on the designs the types "Litaflex-Faltelement"⁷ and "Litaflex-Fugenblock"⁷ are differentiated - and an adhesive with the designation "litaflex-Kleber 800".

The components of the joint filling system shall comply with the details given in Annex 1.

The dimensions of the sealing elements shall comply with the details given in Annexes 3 and 4.

1.2 Intended Use

1.2.1 General

The joint filling system "Litaflex SM 30+AF" is used for sealing horizontal and vertical linear joints (structural joints such as linear butt joints)

- in or between fire-resistant separating wall constructions
- in or between fire-resistant separating floor constructions.

The joint filling system "Litaflex SM 30+AF" is intended to maintain or reinstate the fire resistance performance of separating building elements where they are interrupted or separated by joints.

The maximum lateral stretching capability of the joint filling system "Litaflex SM 30+AF" is 7.4 %.

The joint filling system "Litaflex SM 30+AF" is not intended for load transmission.

The joint filling system "Litaflex SM 30+AF" may be used for sealing linear joints in or between the following separating building elements:

- rigid walls made of concrete, reinforced concrete or masonry with a minimum density $2400 \text{ kg/m}^3 \pm 20 \%$
- rigid floors made of concrete or reinforced concrete with a minimum density $2400 \text{ kg/m}^3 \pm 20 \%$.

The minimum thickness of the separating building elements depending on the intended fire resistance class shall be 100 mm or 150 mm or 200 mm.

The separating building elements shall be classified according to EN 13501-2 for the required fire resistance period.

For further details on fire resistant designs, see Annexes 2 to 4.

1.2.2 Use Category

The joint filling system "Litaflex SM 30+AF" is intended for the following use categories according to ETAG 026-3:

- Type Y₂: Products for linear joint seals intended for use at temperatures below 0°C, but with no exposure to rain nor UV.
- Type Z₁: intended for use in internal conditions with humidity equal to or higher than 85 % RH, excluding temperatures below 0 °C.

⁷ Details of the material specifications and the manufacturing process are deposited with the Deutsches Institut für Bautechnik.

Type Z₂: intended for use in internal conditions with humidity lower than 85 % RH, excluding temperatures below 0°C.

1.2.3 Working life

The provisions made in this European technical approval are based on an assumed working life of the joint filling system "Litaflex SM 30+AF" of 25 years, provided that the conditions laid down in sections 4.2 /5.1/ 5.2 for the packaging/transport/storage/installation/use/ maintenance/repair are met. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

2 Characteristics of the product and methods of verification

2.1 General

2.1.1 The assessment of fitness for use has been made in accordance with ETAG 026 Part 3.

For the evaluation of the joint filling system, the product properties "reaction to fire", "fire resistance", "emission of dangerous substances" and "durability and serviceability" were taken into consideration.

2.1.2 The product properties specified in sections 2.2 to 2.4 only apply to the joint filling system and its components described in this ETA. Deutsches Institut für Bautechnik shall be immediately notified of any changes to the materials, composition, dimensions or properties of these components. Deutsches Institut für Bautechnik will decide if a new evaluation is required.

2.2 Safety in case of fire

2.2.1 Reaction to fire

The sealing elements "Litaflex-Faltelement" and "Litaflex-Fugenblock" correspond to the requirements of class B-s1,d0 according to EN 13501-1.

2.2.2 Fire resistance

The joint filling system "Litaflex SM 30+AF" has been tested in accordance with ETAG 026-3 and EN 1366-4 in combination with building elements according to section 1.2.1. For the fire resistance classified according to EN 13501-2, see Annexes 3 and 4.

2.3 Emission of dangerous substances

The sealing elements "Litaflex-Faltelement" and "Litaflex-Fugenblock" do not contain dangerous substances listed in EOTA TR 034 (edition February 2012).

The chemical composition of the sealing elements has to be identical to the ones which are deposited with the Deutsches Institut für Bautechnik.

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 Durability and serviceability

The sealing elements "Litaflex-Faltelement" and "Litaflex-Fugenblock" consist of mineral foam boards of the type "Litaflex SM 30" which are glued together and a lamination with an aluminium foil. The sealing element "Litaflex-Fugenblock" is covered with a PE foil.

Further properties of the materials and the chemical composition of the components are deposited with the Deutsches Institut für Bautechnik.

The joint filling system "Litaflex SM 30+AF" can be exposed to temperatures below 0°C, but with no exposure to rain nor UV.

2.5 Additional components

For additional components, see section 4.2.3 and Annex 7.

Additional components stated in this European technical approval in the context of evaluating the fire resistance are not regulated by this approval and can therefore not bear the CE marking.

3 Evaluation and attestation of conformity and CE marking

3.1 System of attestation of conformity

According to the decision 1999/454/EC of the European Commission⁸ and the amendment according to the Decision 2001/596/EC of the European Commission⁹, system 1 of the attestation of conformity applies.

In addition, according to the Decision 2001/596/EC of the European Commission⁹ system 3 of the attestation of conformity applies with regard to reaction to fire.

These systems of attestation of conformity are detailed 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;
 - (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;
- (b) Tasks for the notified body:
 - (2) initial type-testing of the product.

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.

⁸

Official Journal of the European Communities L 178/52 of 14/7/1999

⁹

Official Journal of the European Communities L 209/33 of 2/8/2001

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

The factory production control 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 factory production control system operated by the manufacturer and deposited with Deutsches Institut für Bautechnik.¹⁰

The results of factory production control shall be recorded and evaluated in accordance with the provisions of the control plan. The records shall include at least the following information:

- name of the construction product or the constituent material and the components,
- type of control or test,
- date of production and testing of the construction product or the constituent material or components,
- result of controls and testings and, if appropriate, comparison with requirements,
- signature of person responsible for factory production control.

The records shall be archived for at least five years. They shall be submitted to the notified body responsible for continuous surveillance and Deutsches Institut für Bautechnik upon request.

If the test results are insufficient, the manufacturer shall take appropriate measures to rectify the shortcomings. Construction products which do not meet the requirements shall be treated such that they cannot be mistaken for products in compliance. After rectification of the shortcoming – where technically possible and required to verify rectification of the shortcoming – the test in question shall be repeated.

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 linear joint and gap seals in order to undertake the actions laid down in section 3.2.2. For this purpose, the control plan referred to in section 3.2.1.1 shall be handed over by the manufacturer to the notified body involved.

The manufacturer shall provide an installation instruction on every construction product according to this ETA containing at least the following information:

- type and properties (minimum thickness, density) and fire resistance of the building elements in which the joint filling system may be installed
- description or graphic presentation of the proper installation (choice of the sealing element depending on the type of the building elements, the intended fire resistance and the width of the joints)
- permitted surface finish

The manufacturer shall make a declaration of conformity, stating that the construction product is in conformity with the provisions of the European technical approval ETA-13/0269.

3.2.2 Tasks for the notified bodies

The notified body shall perform the following tasks in accordance with the provisions laid down in the control plan:

¹⁰

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

- initial type-testing of the product,
- initial inspection of factory and of factory production control,
- continuous surveillance, assessment and approval of factory production control according to the control plan

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.

3.3 CE marking

The CE marking shall be affixed on the product itself or the label attached to it or on the packaging or on 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 manufacturer (legal entity responsible for the manufacturer),
- 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 number of the guideline for European technical approval
- designation of the product (trade name) (distinction of the sealing elements "Litaflex-Faltelement" or "Litaflex-Fugenblock" and indication of the dimensions)
- the use category (ies)

See ETA-13/0269 for other relevant characteristics.

For an example of the CE marking, see Annex 8.

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 product on the basis of agreed data/information, deposited with Deutsches Institut für Bautechnik, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to Deutsches Institut für Bautechnik before the changes are introduced. 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 alterations to the approval shall be necessary.

4.2 Installation

4.2.1 General

The characteristics of the product specified in this European technical approval only apply if the joint filling system "Litaflex SM 30+AF" is installed in accordance with the specifications in Annex 5 and the manufacturer's instructions of installation.

4.2.2 Processing of the sealing elements

The sealing elements "Litaflex-Faltelement" or "Litaflex-Fugenblock" are to be cut with appropriate cutting tools. Appropriate measures shall be taken to protect the sealing element from damage. When using the sealing element "Litaflex-Fugenblock" care shall be taken to ensure that the factory-applied PE foil wrapping the sealing element will not be damaged or cut except at the cutting edges. For further details follow the manufacturer's instructions.

4.2.2 Gluing of the sealing elements and installation of the joint filling system with additional construction products

For the gluing of the butt-joined sealing elements with "litaflex-Kleber 800" and the optional surface finish of the joints (e. g. with permanently elastic sealing compounds, coatings or coverings) follow the manufacturer's instructions.

Evaluation of the resistance to fire of the joint filling system that has been installed with additional construction products is not part of this European technical approval.

The reaction of fire of the sealing elements has not been verified when the sealing elements are used with additional construction products.

5 Indications to the manufacturer

5.1 Packaging, transport and storage

The sealing elements "Litaflex-Faltelement" and "Litaflex-Fugenblock" shall be protected from damage, weather exposure and detrimental effects of moisture by appropriate measures, e. g. by covering with foils.

For further details on packaging, transport and storage follow the manufacturer's instructions.

5.2 Use, maintenance, repair

5.2.1 The fire protection properties of joint sealing systems "Litaflex SM 30+AF" shall not be affected by future changes to buildings or building elements.

5.2.2 The evaluation of serviceability is based on the assumption that any damage caused by impacts or contamination can be repaired by replacing and renewing damaged parts of the joint filling system.

5.2.3 Joints of a minimum width of 150 mm shall be protected from stepping or damaging by taking appropriate protective measures whereas horizontal floor joints may be. For further details follow the manufacturer's instructions.

Evaluation of the fire resistance of joint filling systems using such protective measures is not part of this European technical approval.

Maja Tiemann
p. p. Head of Department

beglaubigt:
von Hoerschelmann

Components of the joint filling system "Litaflex SM 30+AF"

Table 1.0

Name/Manufacturer	Description
Sealing element "Litaflex-Faltelement" Rex Industrie-Produkte Graf von Rex GmbH 74541 Vellberg Germany	The sealing element "Litaflex-Faltelement" consists of one or more mineral foam boards of the type "Litaflex SM 30" glued together. The foam boards are one-sided covered with an aluminium foil with a thickness of 0.05 mm. The chemical composition of the components is deposited with the Deutsches Institut für Bautechnik.
Sealing element "Litaflex-Fugenblock" Rex Industrie-Produkte Graf von Rex GmbH 74541 Vellberg Germany	The sealing element "Litaflex-Fugenblock" consists of several mineral foam boards of the type "Litaflex SM 30" glued together. The block of the glued foam boards is covered at two opposing sides with an aluminium foil, thickness 0.05 mm. The whole block is covered with a PE foil, thickness 0.1 mm. The chemical composition of the components is deposited with the Deutsches Institut für Bautechnik.
"litaflex-Kleber 800" Rex Industrie-Produkte Graf von Rex GmbH 74541 Vellberg Germany	"litaflex-Kleber 800" is used for the gluing of the sealing elements. For further details see the technical data sheet of the manufacturer (Annex 7).

joint filling system "Litaflex SM 30+AF"

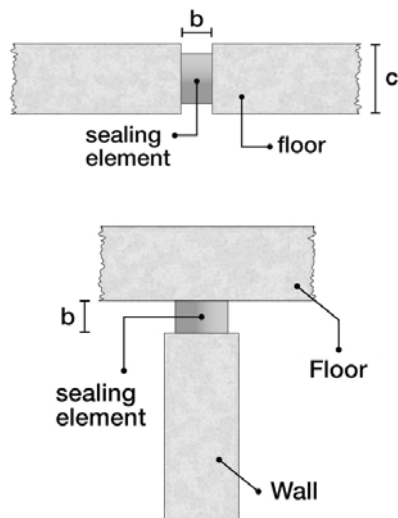
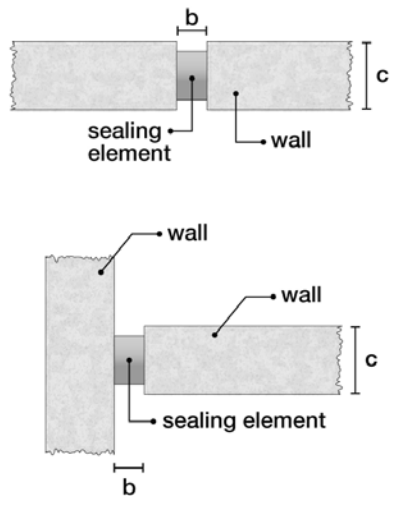
Description of the components of the joint sealing system "Litaflex SM+AF"

Annex 1

Installations using the joint filling system "Litaflex SM 30+AF"

Table 1.1 provides an overview of the permitted applications of linear joint seals using the joint filling system "Litaflex SM 30+AF".

Table 1.1

Application (A)	Application (B)
Horizontal joints in or between floors or between walls and floors	Vertical joints in or between walls
	

For the choice of the sealing element ("Litaflex-Faltelement" or "Litaflex-Fugenblock") and the thickness and width of the sealing element, see Table 2.0 and 2.1 and the manufacturer's instructions.

joint filling system "Litaflex SM 30+AF"

Overview of the permitted applications

Annex 2

Fire-resistant designs evaluated by this European technical approval

The joint filling system "Litaflex SM 30+AF" is used for sealing linear joints in or between the following separating building elements according to section 1.2.1:

- rigid walls
 - concrete, reinforced concrete or masonry with a minimum density $2400 \text{ kg/m}^3 \pm 20 \%$
- rigid floors
 - concrete or reinforced concrete with a minimum density $2400 \text{ kg/m}^3 \pm 20 \%$.

Fire-resistant designs using the sealing element "Litaflex-Faltelement"

Table 2.0 provides an overview of the fire-resistant designs for the installation in rigid walls and rigid floors (application A and B according to Table 1.1).

Table 2.0

thickness of the building element c [mm]	joint width b [mm]	thickness [mm]	sealing element		classification fire resistance
			height [mm]	length [mm]	
100	10-15	10	200	1000	EI 90-V-X-W 10 to 50
	15-20	15			
	20-30	20			
	30-40	25			
	40-45	30			
	45-50	35			
100	45-50	35	200	1000	EI 120-V-X-W 50
150	10-15	10	250	1000	EI 120-V-X-W 10 to 50 EI 120-H-X-W 10 to 50
	15-20	15			
	20-30	20			
	30-40	25			
	40-45	30			
	45-50	35			

joint filling system "Litaflex SM 30+AF"

Fire-resistant designs - Installation of the sealing element "Litaflex-Faltelement" in rigid building elements with a minimum density of $2400 \text{ kg/m}^3 \pm 20 \%$ -

Annex 3

Fire-resistant designs using the sealing element "Litaflex-Fugenblock"

Table 2.1 provides an overview of the fire-resistant designs for the installation in rigid walls and rigid floors (application A und B according to Table 1.1).

Table 2.1

thickness of the building element c [mm]	joint width b [mm]	width / height [mm]	sealing element thickness [mm]	length [mm]	classification fire resistance
100	50-60	75	90	1000	EI 90-V-X-W 50 to 100
	60-70	85			
	70-80	95			
	80-90	110			
	90-100	120			
150	50-60	75	140	1000	EI 120-V-X-W 50 to 110 EI 120-H-X-W 50 to 110
	60-70	85			
	70-80	95			
	80-90	110			
	90-100	120			
	100-110	130			
200	110-120	145	190	1000	EI 120-V-X-W 110 to 200 EI 120-H-X-W 110 to 200
	120-130	155			
	130-140	170			
	140-150	180			
	150-160	190			
	160-170	205			
	170-180	215			
	180-190	225			
	190-200	230			

joint filling system "Litaflex SM 30+AF"

Fire-resistant designs - Installation of the sealing element "Litaflex-Fugenblock" in rigid building elements with a minimum density of 2400 kg/m³ ± 20 % -

Annex 4

Installation of the joint filling system "Litaflex SM 30+AF"

1. General

- 1.1 Before installing, all conditions are to be checked for compliance (e. g. type and thickness of the separating building elements, width of the joints) with the provisions of section 1.2 and Annexes 2 to 4.
- 1.2 It shall be ensured that the assumptions under which the fitness of the product for the intended use was evaluated are complied with (see Section 4).

2. Installation

- 2.1 Before installing the joint filling system, the joints are to be cleaned of any contamination such as loose fragments of building elements or remains of installation foams.
- 2.2 Using an installation plate, the sealing element "Litaflex-Faltelement" is folded with the covered side towards the outside and inserted into the joint. Using "litaflex-Kleber 800", the butt joined sealing elements are completely glued together on their front sides.
- 2.3 Using e.g. a wooden board, the sealing element "Litaflex-Fugenblock" is pre-compressed to a thickness of 20 mm smaller than the joint width for about 10 seconds under a load of about 40 kg. The PE foil is removed at the ends of the element. The sealing element is inserted into the joint by using two installation plates so that the sides of the element covered with the aluminium foil are arranged at the inside surfaces of the building element. The butt joined sealing elements are completely glued together on the front sides (i. e. cutting edges) by using "litaflex-Kleber 800". Care shall be taken to ensure that the sealing element is completely covered with the PE foil except at the front sides.
- 2.4 During the construction phase, joints filled with the sealing element shall be protected against weather exposure and moisture by appropriate measures, e. g. by covering with foils.
- 2.5 The sealing elements may be installed with suitable permanently elastic sealing compounds (e.g. "Sikaflex Pro 1FC"), coatings or coverings. For further details follow the manufacturer's instructions.
- 2.6 Apart from this, the specifications of the manufacturer's instructions of installation apply.

joint filling system "Litaflex SM 30+AF"

Installation of the joint sealing system

Annex 5

List of reference documents

ETAG No 026-1 (Edition January 2008)

Guideline for European Technical Approval for Fire Stopping and Fire Sealing Products - Part 1: General

ETAG No 026-3 (Edition February 2008 and Progress File August 2011)

Guideline for European Technical Approval for Fire Stopping and Fire Sealing Products - Part 3: Linear joint and gap seals

EN 13501-1:2010-01	Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests
EN 13501-2:2010-02	Fire classification of construction products and building elements - Part 2: Classification using data from resistance tests, excluding ventilation services
EN ISO 11925-2:2011-02	Reaction to fire tests – Ignitability of products subjected to direct impingement of flame – Part 2: Single-flame source test (ISO 11925-2:2010)
EN 13823:2010-12	Reaction to fire tests for building products – Building products excluding floorings exposed to the thermal attack by a single burning item
EN 1363-1:2012-10	Fire resistance tests – Part 1: General requirements
EN 1366-4:2010-08	Fire resistance tests for service installations – Part 4: Linear joint seals
EN 13162:2009-02	Thermal insulation products for buildings – Factory made mineral wool (MW) products – Specification

joint filling system "Litaflex SM 30+AF"

Reference documents

Annex 6

Isolierprodukte

litaflex-Kleber 800



Information

- Anwendungsbereich:** Der Kleber 800 wurde speziell für die Verklebung des nichtbrennbaren Schaumstoffes litaflex auf Beton entwickelt. Auch für andere temperaturbeständige Produkte aus Mineralfasern, Kalziumsilikat usw. geeignet.
- Eigenschaften:** Gelbliche Flüssigkeit, nichtbrennbar, frei von organischen Lösungsmitteln, streichbare Konsistenz, mischbar mit Wasser, temperaturbeständig bis 800 °C. Nach Abbindung bedingt wasserbeständig bei kurzfristiger Belastung. Für Dauereinsatz bei hoher Luftfeuchtigkeit nicht geeignet.
- Verarbeitungshinweise:** Der vorgesehene Untergrund muß sauber und frei von Staub, losem Rost und Fett sein. litaflex-Kleber 800 muß vor der Verarbeitung kräftig aufgerührt werden. Einseitiger Auftrag mit Pinsel oder Walze auf Untergrund oder litaflex; Zusammenfügen und Andrücken unmittelbar nach Auftrag. Überschüssigen Kleber sofort mit Wasser entfernen, da nach dem Aushärten eine Säuberung nur bedingt möglich ist.
- Antrocknung: 5 - 10 min, Durchtrocknung: 6 - 8 Stunden, Abbindung: 6 - 8 Tage.
Verkürzung der Trocknungs- und Abbindezeit durch Wärmezufuhr bis 100 °C.
Bedarf: ca. 200 g/m², abhängig von der Beschaffenheit des Untergrundes.
- Lagerhinweise:** litaflex-Kleber 800 ist frostfrei zu lagern.
Haltbarkeit mind. 12 Monate.
Gefahrenklasse nach VbF: keine (nicht entflammbar).
- Lieferform:** Gebinde mit 3 kg, 8,5 kg, 17 kg und 29 kg Nettoinhalt.
Preise entnehmen Sie bitte der jeweils gültigen litaflex-Preisliste.
- Prüfungen:** Low flame spread – Test (für Schiffbau) nach
- IMO Res. MSC 61(67) Anhang 1 Teil 5 und Anhang 2
- SOLAS Convention Chap. II-2 of 1974
- RINA Rules Chap. 4 of Part C

Die Aussagen, Angaben und Daten unserer Informationen erfolgen nach bestem Wissen, wurden, soweit möglich, durch Versuche ermittelt und gelten als unverbindliche Beratung. Wir empfehlen, in Zweifelsfällen einen den örtlichen Verhältnissen angepassten Test durchzuführen. Im übrigen stehen die Mitarbeiter unserer Bereiche Verkauf und Entwicklung jederzeit beratend zu Ihrer Verfügung.

72 019D 0602

REX INDUSTRIE-PRODUKTE · GRAF VON REX GMBH · 74541 Vellberg
Großaltdorfer Strasse 59 · Telefon 07907 9620-0 · Telefax 07907 962080
www.rex-industrie-produkte.de · e-mail: info@rex-industrie-produkte.de

joint filling system "Litaflex SM 30+AF"

Technical documentation – "litaflex-Kleber 800"

Annex 7



xxxx

Rex Industrie-Produkte
Graf von Rex GmbH
Großaltdorfer Straße 59
74541 Vellberg
Deutschland

xx

xxxx-CPD-xxxx

ETA-13/0269

ETAG 026 Part 3

Linear Joint and Gap Seals

Joint filling system "Litaflex SM
30+AF"

sealing element "Litaflex-
Faltelement" or "Litaflex-
Fugenblock"
dimensions

use category (ies)

Type Y₂, Z₁, Z₂

"CE" marking

Identification number of notified certification body

Name and address of the producer (legal entity
responsible for the manufacturer)

Two last digits of year of affixing CE marking.

Number of EC certificate of conformity

ETA number

ETAG number

Linear Joint and Gap Seals

Designation of the product (trade name)

Designation of the component (trade name)

Dimensions

use category (ies)

See ETA-13/0269 for other relevant characteristics (i.e. fire resistance class, dangerous substances)

joint filling system "Litaflex SM 30+AF"

Example of CE marking

Annex 8