AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

KERAFIX ® Firestop Filler - Certificate / Approval ETA- 19/0495-en

澳迪斯防火科技（廊坊）有限公司

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以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

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Authorised and notified according to Article 29 of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

MEMBER OF EOTA

European Technical Assessment ETA-19/0495 of 2019/08/22

General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:	KERAFIX Firestop Filler
Product family to which the above construction product belongs:	Intumescent products for fire sealing and fire stopping purposes
Manufacturer:	Rolf Kuhn GmbH Jägersgrund 10 57339 Erndtebrück / Germany Tel. + 49 2753 5945-0 Fax + 49 2753 5945-52 Internet www.kuhn-brandschutz.com
Manufacturing plant:	Rolf Kuhn GmbH Manufacturing Plant I
This European Technical Assessment contains:	6 pages including 1 annex which form an integral part of the document
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:	EAD 350005-00-1104 Intumescent products for fire sealing and fire stopping purposes, dated May 2015
This version replaces:	-

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SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product and intended use

Object of this European Technical Assessment (ETA) is the intumescent construction product "KERAFIX Firestop Filler"

In case of fire, exposed to high temperatures, this intumescent product expands and generates foam. This foam seals joints and gaps, closes voids and openings. Thus, the foam restricts the passage and the spread of heat, smoke, flames or any combinations of these.

The intumescent product "KERAFIX Firestop Filler" is produced as a liquid coating in the colour grades anthracite, black and red. As delivered the product is easy to spread by brush or by sprayer.
The intumescent product "KERAFIX Firestop Filler" is a viscous, intumescent putty.

The product essentially consists of intumescent substances and a binder. They harden when applied on a substrate and form flexible intumescent layers which react in case of fire.

The construction product "KERAFIX Firestop Filler" is delivered in pails and containers of different capacity.
The intumescent putty "KERAFIX Firestop Filler" is also delivered in cartridges.

The construction product "KERAFIX Firestop Filler" is a factory made flexible intumescent fabric.
The construction product "KERAFIX Firestop Filler" is a tight and tear-proof intumescent fabric.

The relevant technical characteristics for fire sealing and fire stopping effects of the construction are given in Annex 1.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The construction product "KERAFIX Firestop Filler" is assessed on the basis of EAD 350005-00-1104 as intumescent products for fire sealing and fire stopping purposes without a defined final use.

The construction product is intended to be used as essential components in construction products, construction elements, kits and special assemblies which need to meet requirements concerning the safety in case of fire.

In case of fire, the products delay the heat transfer through fire resistant construction products and construction elements by expanding under the impact of high temperatures and thus restricting the spread of fire.
The performance given in Section 3 is only valid if the construction product "KERAFIX Firestop Filler" is used in accordance with the instructions and the conditions stated in section 3.4.

The tests and assessment methods on which this European Technical Assessment is based, lead to the assumption of working life of the intumescent construction products "KERAFIX Firestop Filler" in final use of at least 10 years.

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.

3 Performance of the product and references to the methods used for its assessment

Characteristic	Assessment of characteristic
3.1 Safety in case of fire (BWR 2)	
Reaction to fire	The "KERAFIX Firestop Filler" is classified as in accordance with EN 13501-1 as **Euroclass E**
Resistance to fire	No Performance Assessed
3.2 Hygiene, health and the environment (BWR 3)	
Release of dangerous substances	No dangerous substances
3.3 Sustainable use of natural resources (BWR 7)	No Performance Assessed

In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, 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 Regulation, these requirements need also to be complied with, when and where they apply.

3.4 General aspects relating to fitness for use

Durability testing shall be an integral part of assessing the basic works and performance requirements. The following specific provisions shall be complied with to ensure the durability of the performance for the intended use.

The testing and the assessment of the product performance were carried out for environmental conditions of type X — product intended for use at conditions exposed to weathering (rain, UV, frost) - in accordance with EOTA Technical Report 024[7] (EOTA TR 024), section 4.2.3.

Result:
The intumescent construction product "KERAFIX Firestop Filler" and cuts can be used under use conditions of type X (outdoor use), without having to fear essential changes in the relevant fire sealing and fire stopping properties and the resulting performance. This assessment includes the in-door use under use conditions of type Y_1, Y_2, Z_1 and Z_2

Supplementary the product was tested under specific conditions according to EOTA TR 024 section 4.3:

- Exposure to a constant temperature of 80 °C for 40 days,
- Exposure to solvents (tested with Butylacetat, Butanol, solvent naphtha and fuel)
- Subsequent over-painting (tested with coatings on the basis of acryl dispersion, alkyd resin, polyurethane acryl and epoxide resin
- Exposure to permanent wetness (water immersion and permanent condensation) for 4 weeks
- Exposure to intimate contact to plastics (PVC, PE).

The characteristics "expansion ratio" and "expansion pressure" did not change essentially due to these specific exposures.

4 Assessment and verification of constancy of performance (AVCP)

4.1 AVCP system

According to the decision 1999/454/EC of the European Commission, as amended by 2001/596/EC, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 1.

5 Technical details necessary for the implementation of the AVCP system, as foreseen in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking

Issued in Copenhagen on 2019-08-22 by

Thomas Bruun
Managing Director, ETA-Danmark

Annex 1
Characteristics relevant for the fire sealing and fire stopping effect of the construction product "KERAFIX Firestop Filler"

Characteristic	Test method	Range and tolerance
KERAFIX Firestop Filler		
Density	EOTA TR 024, Cl. 3.1.4	Putty: 1300 kg/m^3 ± 10%
Expansion ratio	EOTA TR 024, Cl. 3.1.11 Method 1 with a top load	Thickness 2 mm 15-26,5
Expansion pressure	EOTA TR 024, Cl. 3.1.12 Method 4	Thickness 2 mm 1,00 N/mm² - 1,90 N/mm²