Deutsches Institut für Bautechnik

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Approval body for construction products and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and Laender Governments

Designated according to Article 29 of Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment)

European Technical Assessment ETA-17/0458 of 7 July 2017

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:	Deutsches Institut für Bautechnik
Trade name of the construction product	Kit containing "Silikon-Brandschutzschaum 2K" and "Formstück KR 150"
Product family to which the construction product belongs	Kit for use in penetration seals
Manufacturer	Colux GmbH Werner-von-Siemens-Straße 12 78224 Singen (Htwl.) DEUTSCHLAND
Manufacturing plant	Colux GmbH Werner-von-Siemens-Straße 12 78224 Singen (Htwl.) DEUTSCHLAND
This European Technical Assessment contains	7 pages including 3 annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of	Guideline for European technical approval of "Fire Stopping and Fire Sealing Products", ETAG 026 Part 2: "Penetration Seals", used as European Assessment Document (EAD) according to Article 66 Paragraph 3 of Regulation (EU) No 305/2011.

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Specific Part

1 Technical description of the product

The kit consists of the components "Silikon-Brandschutzschaum 2K" and "Formstück KR 150".

The construction product "Silikon-Brandschutzschaum 2K" consists of two components and is provided in an aerosol dispenser.

The mouldings "Formstück KR 150" consist of a sheet material.

A detailed technical description and the fire-safety-related performance criteria of the construction products are given in Annex 1.

Detailed information on the kit's components are deposited with Deutsches Institut für Bautechnik.

NOTE:

The characteristics listed are suitable both for identifying the construction products as well as for performing the manufacturer's factory production control.

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

The kit is intended for the installation of cable penetration seals which are used in components or constructions that are subject to fire safety requirements. They prevent the transmission of heat and spread of fire in the event of fire.

Cable penetration seals are used to seal openings in fire-resistant walls or floors, which are penetrated by services. Their function is to preserve the walls' or floors' resistance to fire in the area of openings where cables are run through walls. Penetration seal without services are used to demonstrate that the resistance to fire is ensured even if the number of cables that are run through the opening is small.

The resistance to fire of cable penetration seals, with and without services, consisting of the construction products listed in Annexes 1 to 3 was demonstrated as part of this ETA.

The kit covered by this ETA is intended for penetration seals in dry indoor environments with temperatures above 0°C (use category type Z_2)

The performances given in Section 3 relates only to the penetration seals tested as part of this assessment (e.g., regarding the design and arrangement of the penetration seal components and the type and position of the services).

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

3.1 Safety in case of fire

Essential characteristic	Performance
Resistance to fire of a penetration seal containing the product/ kit	The resistance to fire depends on the design and installation of the penetration seal and on the other components forming the penetration seal. More details on the cable penetration seals assessed and the related fire resistance classes are given in Annexes 1 to 3,

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with the European Technical Approval Guideline "Fire Stopping and Fire Sealing Products", ETAG 026, Part 2: "Penetration Seals", August 2011, which is used as European Assessment Document (EAD), the following legal base shall apply: 1999/454/EC.

The system to be applied is: system 1.

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

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 7 July 2017 by Deutsches Institut für Bautechnik

Prof. Gunter Hoppe
Head of Department

beglaubigt:
Meske-Dallal

Components of the kit containing "Silikon-Brandschutzschaum 2K" and "Formstück KR 150" and description

Component	Description
"Silikon-Brandschutzschaum 2K"	The material specifications are deposited at the DIBt. Reaction to fire according to EN 13501-1: Klasse E
"Formstück KR 150"	The material specifications are deposited at the DIBt. Reaction to fire according to EN 13501-1: Klasse E

The use of the kit as a component of a penetration seal shall be in accordance with national requirements for planning, design and execution and in accordance with the installation instruction of the manufacturer.

Implementation details for the factory production control are included in the inspection plan.

Performances of penetration seals, comprising the kit containing "Silikon-Brandschutzschaum 2K" and "Formstück KR 150"

	Essential requirement	Test method	Construction oft he sample	Performance acc. to EN-13501-2
1	Resistance to fire	EN 1366-3	100 mm thick flexible wall; design and layout of the penetration seal according to Annex 2*	EI 90
2	Resistance to fire	EN 1366-3	150 mm thick rigid floor; design and layout of the penetration seal according to Annex 3*	EI 90

* The illustrations on annexes 2 and 3 are without guarantee for completeness.

The use of the kit containing "Silikon-Brandschutzschaum 2K" and "Formstück KR 150" shall be in accordance with national requirements for planning, design and execution and in accordance with the installation instruction of the manufacturer.
The tested/ illustrated seals are only examples for the use.

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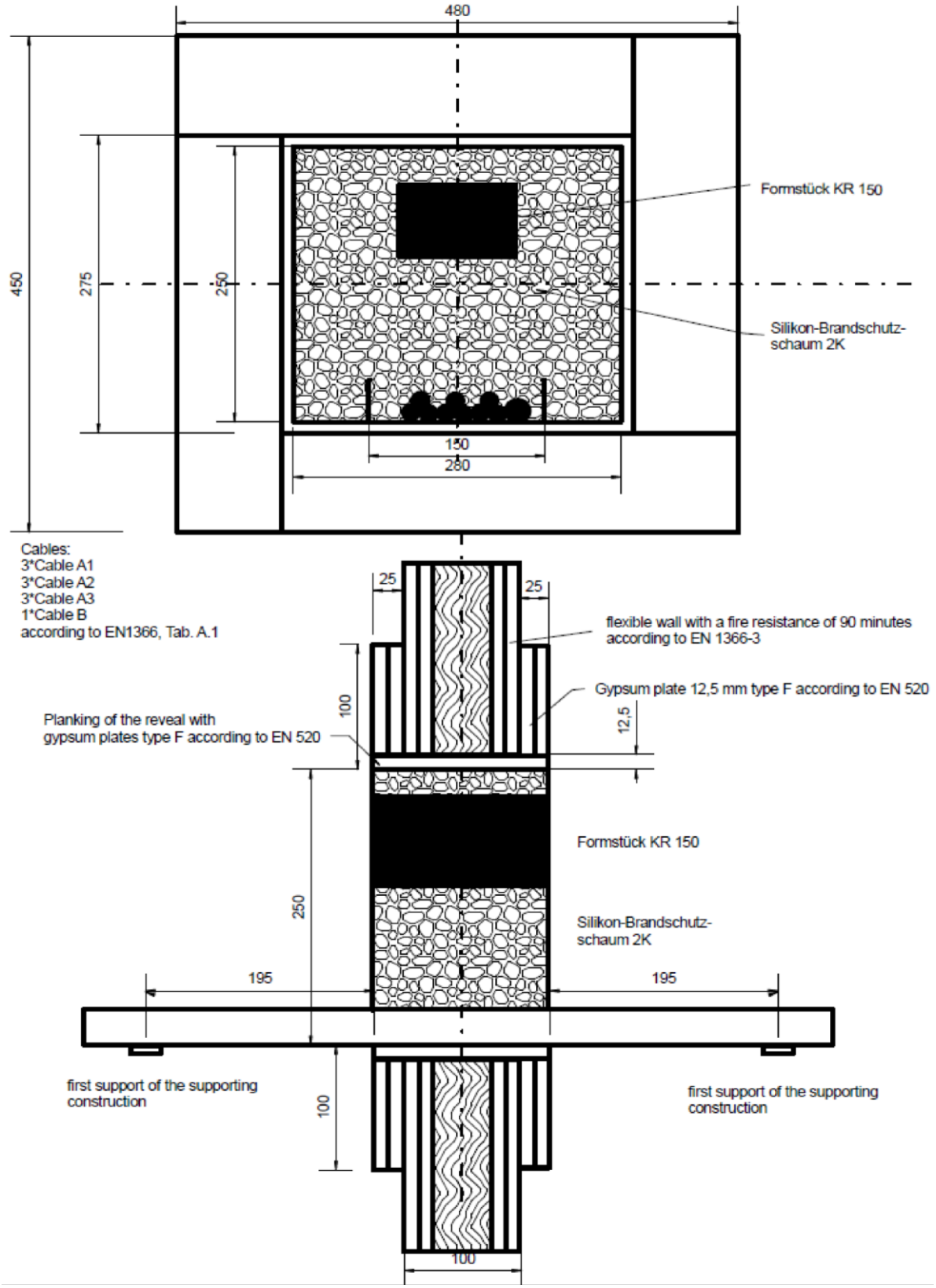
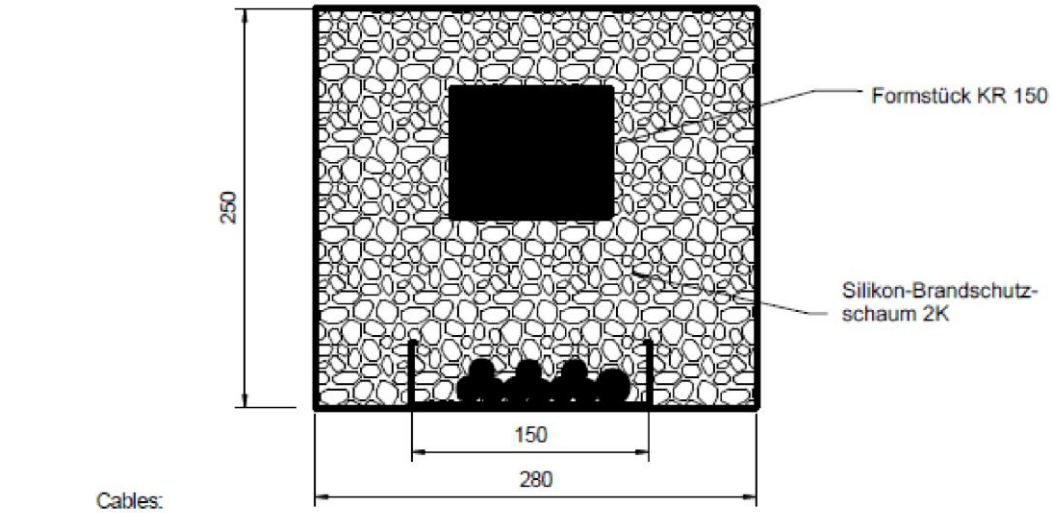
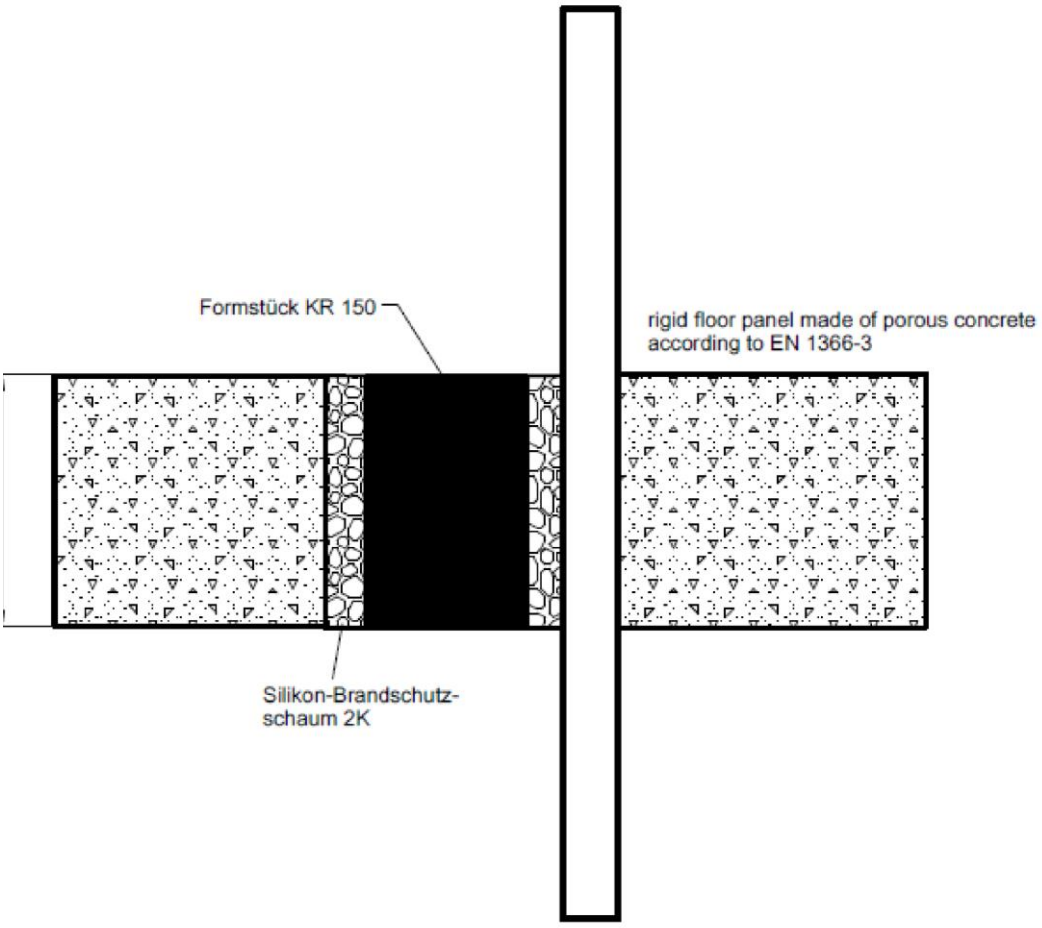


Kit containing "Silikon-Brandschutzschaum 2K" and "Formstück KR 150"	Annex 2
Use as a component of a cable penetration seal; Example of a penetration seal with a fire resistance EI 90; Wall installation	



Cables:
3*Cable A1
3*Cable A2
3*Cable A3
1*Cable B
according to EN1366, Tab. A.1



Kit containing "Silikon-Brandschutzschaum 2K" and "Formstück KR 150"	Annex 3
Use as a component of a cable penetration seal; Example of a penetration seal with a fire resistance EI 90; Floor installation	