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European Technical Assessment

**ETA-20/0770
of 08/10/2020**

General Part

Technical Assessment Body issuing the European Technical Assessment

Instytut Techniki Budowlanej

Trade name of the construction product

fischer FireStop Gun Foam
fischer FireStop Hand Foam
fischer FFRS Fire Rated Silicone

Product family to which the construction product belongs

Fire Stopping and Fire Sealing Products. Linear Joint and Gap Seals

Manufacturer

Fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal
Germany

Manufacturing plants

Plant A
Plant B
Plant C

This European Technical Assessment contains

12 pages including 2 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

European Assessment Document EAD 350141-00-1106 "Fire Stopping and Fire Sealing Products. Linear Joint and Gap Seals"

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Specific Part

1 Technical description of the product

fischer FireStop Gun Foam is a polyurethane foam, used as a foamed in-situ material (type of fixing: SA). This foam is applied by gun directly into the linear joint or gap seals in walls.

fischer FireStop Hand Foam is a polyurethane foam, used as a foamed in-situ self-adherent material. This foam is applied by straw directly into the linear joint or gap seals in walls.

fischer FFRS Fire Rated Silicone is a silicone, used as a formed in-situ self-adherent sealant in linear joint or gap seals in walls. The fischer FFRS Fire Rated Silicone can be applied onto fischer FireStop Gun Foam, fischer FireStop Hand Foam or mineral wool acc. to EN 14303 or EN 13162, used as a backing material.

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

2.1 Intended use

The intended use of fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone is to reinstate the fire resistance performance of rigid wall constructions where there are linear joints and gaps.

fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone shall be used in rigid walls, which must have a minimum thickness of 150 mm and comprise concrete, reinforced concrete, aerated concrete, bricks or blocks, with a minimum density of 600 kg/m³.

The wall must be classified in accordance with EN 13501-2 for the required fire resistance period (equal or greater than specified in Annex B).

The permitted joint / gap width for the fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone is specified in Annex B.

The fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone shall be used to form linear joint or gap seals with movement capability lower than 7.5% (non-movement joints).

The performances given in this European Technical Assessment are based on an assumed working life of the products of 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body, 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.

Additional provisions are given in Annex A.

2.2 Use category

Type Z₂: intended for use in internal conditions with humidity lower than 85% RH, excluding temperatures below 0°C, without exposure to rain or UV.

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

3.1 Performance of the product

3.1.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	No performance assessed
Resistance to fire	Annex B

3.1.2 Hygiene, health and the environment (BWR 3)

No performance assessed.

3.1.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Mechanical resistance and stability	No performance assessed
Resistance to impact / movement	No performance assessed
Adhesion	No performance assessed
Durability	Use category: Type Z ₂
Movement capability	No performance assessed (non-movement joints)

3.1.4 Protection against noise (BWR 5)

No performance assessed.

3.1.5 Energy economy and heat retention (BWR 6)

No performance assessed.

3.2 Methods used for the assessment

The assessment of the product has been made in accordance with the European Assessment Document EAD 350141-00-1106 "Fire Stopping and Fire Sealing Products. Linear Joint and Gap Seals".

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

According to Decision 99/454/EC of the European Commission, as amended by Decision 2001/596/EC of the European Commission the system 1 of assessment and verification of constancy of performance applies (see Annex V to Regulation (EU) No 305/2011).

5 Technical details necessary for the implementation of the AVCP system, as provided in the applicable European Assessment Document (EAD)

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited in Instytut Techniki Budowlanej.

For type testing the results of the tests performed as part of the assessment for the European Technical Assessment shall be used unless there are changes in the production line or plant. In such cases the necessary type testing has to be agreed between Instytut Techniki Budowlanej and the notified body.

Issued in Warsaw on 08/10/2020 by Instytut Techniki Budowlanej

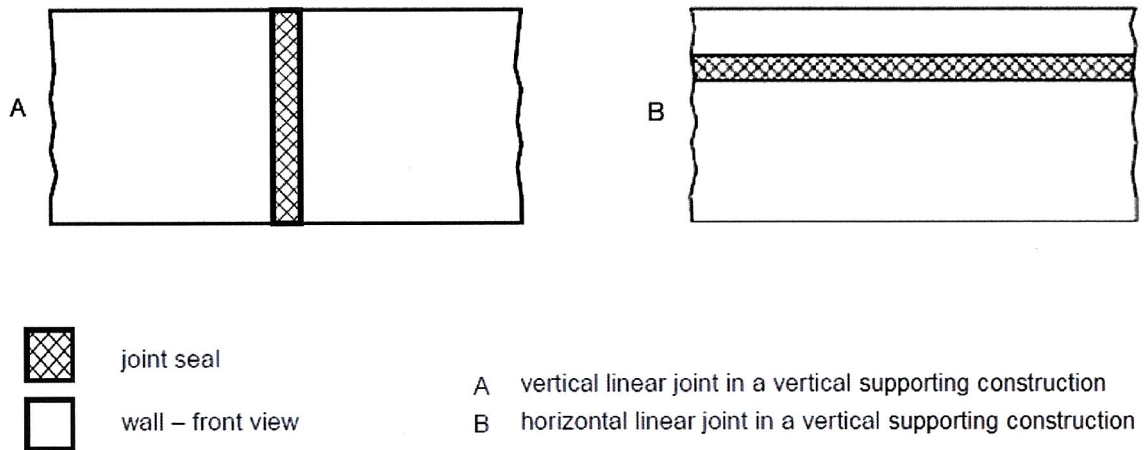


Anna Panek, MSc
Deputy Director of ITB

Additional provisions

- Possible orientation of the linear joint seals is presented in fig. A1.

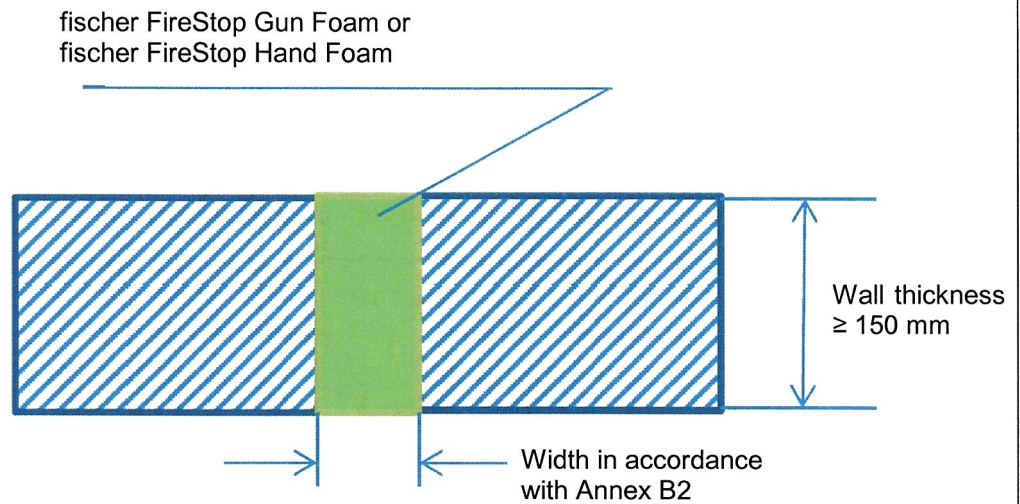
Fig. A1. Possible orientation of linear joints seals made with use of the fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone.



- The fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone shall be applicable only to straight parallel edge surfaces of wall.
- The gap shall be fully filled with the foam, silicone or mineral wool, in accordance with Annex B.

fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone	Annex A
Additional provisions	of European Technical Assessment ETA-20/0770

Fig. B1. Linear joint seal made with use fischer FireStop Gun Foam or fischer FireStop Hand Foam in rigid wall



**fischer FireStop Gun Foam,
fischer FireStop Hand Foam
and fischer FFRS Fire Rated Silicone**

Construction details of linear joint seals in rigid wall

Annex B1

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Resistance to fire classification of vertical linear joint seal made with use of fischer FireStop Gun Foam in rigid wall, in accordance with fig. B1 and Annex A:

Fire resistance class: EI 180 – V – X – F – W 10

Fire resistance class: EI 60 – V – X – F – W 11 to W 30

Resistance to fire classification of horizontal linear joint seal made with use of fischer FireStop Gun Foam in rigid wall, in accordance with fig. B1 and Annex A:

Fire resistance class: EI 120 – T – X – F – W 10

Fire resistance class: EI 30 – T – X – F – W 11 to W 30

Resistance to fire classification of vertical linear joint seal made with use of fischer FireStop Hand Foam in rigid wall, in accordance with fig. B1 and Annex A:

Fire resistance class: EI 120 – V – X – F – W 10

Fire resistance class: EI 60 – V – X – F – W 11 to W 30

Resistance to fire classification of horizontal linear joint seal made with use of fischer FireStop Hand Foam in rigid wall, in accordance with fig. B1 and Annex A:

Fire resistance class: EI 120 – T – X – F – W 10

Fire resistance class: EI 60 – T – X – F – W 11 to W 30

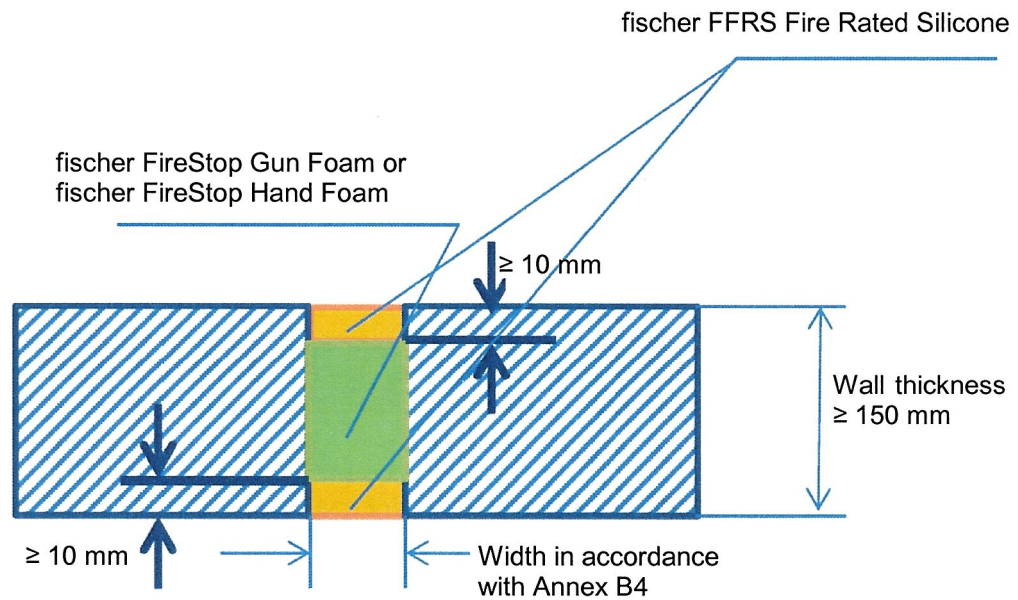
**fischer FireStop Gun Foam,
fischer FireStop Hand Foam
and fischer FFRS Fire Rated Silicone**

Resistance to fire classification of linear joint seals

Annex B2

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Fig. B2. Linear joint seal made with use fischer FireStop Gun Foam or fischer FireStop Hand Foam, in rigid wall



<p align="center">fischer FireStop Gun Foam, fischer FireStop Hand Foam and fischer FFRS Fire Rated Silicone</p>	<p align="center">Annex B3</p>
<p align="center">Construction details of linear joint seals in rigid wall</p>	<p align="center">of European Technical Assessment ETA-20/0770</p>

Resistance to fire classification of vertical linear joint seal made with use of fischer FFRS Fire Rated Silicone and fischer FireStop Gun Foam in rigid wall, in accordance with fig. B2 and Annex A:

Fire resistance class: EI 240 – V – X – F – W 10

Fire resistance class: EI 120 – V – X – F – W 11 to W 30

Resistance to fire classification of horizontal linear joint seal made with use of fischer FFRS Fire Rated Silicone and fischer FireStop Gun Foam in rigid wall, in accordance with fig. B2 and Annex A:

Fire resistance class: EI 240 – T – X – F – W 10 to W 30

Resistance to fire classification of vertical linear joint seal made with use of fischer FFRS Fire Rated Silicone and fischer FireStop Hand Foam in rigid wall, in accordance with fig. B2 and Annex A:

Fire resistance class: EI 240 – V – X – F – W 10

Fire resistance class: EI 120 – V – X – F – W 11 to W 30

Resistance to fire classification of horizontal linear joint seal made with use of fischer FFRS Fire Rated Silicone and fischer FireStop Hand Foam in rigid wall, in accordance with fig. B2 and Annex A:

Fire resistance class: EI 240 – T – X – F – W 10 to W 30

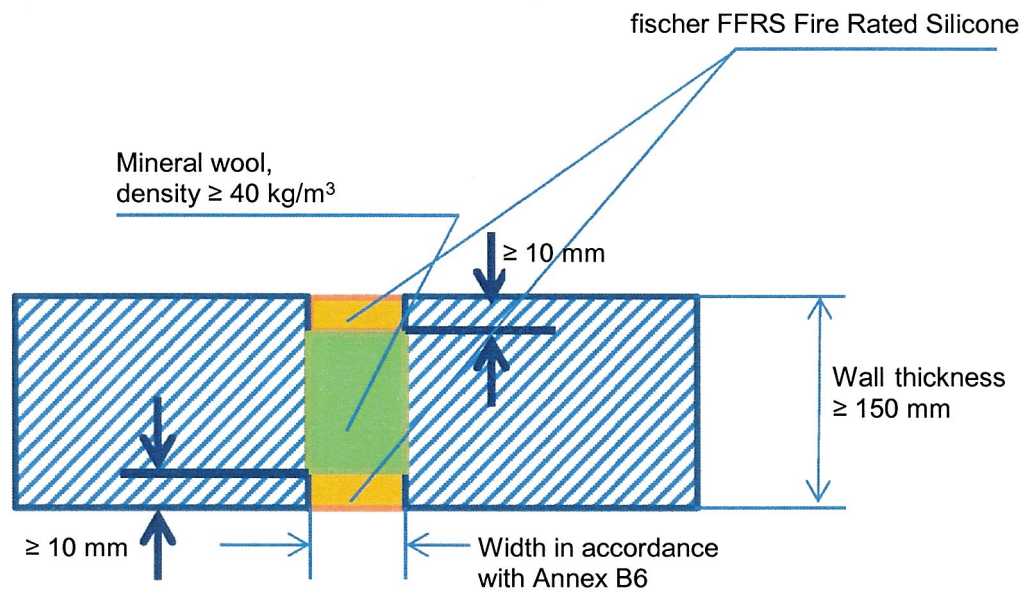
**fischer FireStop Gun Foam,
fischer FireStop Hand Foam
and fischer FFRS Fire Rated Silicone**

Resistance to fire classification of linear joint seals

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Fig. B3. Linear joint seal made with use fischer FFRS Fire Rated Silicone and mineral wool in rigid wall



**fischer FireStop Gun Foam,
fischer FireStop Hand Foam
and fischer FFRS Fire Rated Silicone**

Construction details of linear joint seals in rigid wall

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Resistance to fire classification of vertical linear joint seal made with use of fischer FFRS Fire Rated Silicone and mineral wool in rigid wall, in accordance with fig. B3 and Annex A:

Fire resistance class: EI 240 – V – X – F – W 10 to W 30

Resistance to fire classification of horizontal linear joint seal made with use of fischer FFRS Fire Rated Silicone and mineral wool in rigid wall, in accordance with fig. B3 and Annex A:

Fire resistance class: EI 240 – T – X – F – W 10 to W 30

**fischer FireStop Gun Foam,
fischer FireStop Hand Foam
and fischer FFRS Fire Rated Silicone**

Resistance to fire classification of linear joint seals

Annex B6

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