DECLARATION OF PERFORMANCE

DoP-FS-1015

for fischer FireStop Foam (Fire stopping and fire sealing products: Linear Joint and Gap Seals) EN

1. Unique identification code of the product-type: **DoP-FS-1015**

2. Intended use/es: **Maintenance of the integrity and insulation performance of one or more fire separating elements at linear discontinuities for a specified duration, see appendix, especially annexes 1.**

3. Manufacturer: **fischerwerke GmbH & Co. KG, Klaus-Fischer-Str. 1, 72178 Waldachtal, Germany**

4. Authorised representative: **-**

5. System/s of AVCP: **1**

6. European Assessment Document: **EAD 350141-00-1106**
   European Technical Assessment: **ETA-20/0770; 2022-03-14**
   Technical Assessment Body: **ETA-Danmark A/S**
   Notified body/ies: **2531 – DBI Certification A/S**

7. Declared performance/s:

Safety in case of fire (BWR 2)

Reaction to fire: NPA
Resistance to fire: Annexes 5-6

NPA

NPD: Annexes
Air permeability (material property): NPA
Water permeability (material property): Annex

Safety and accessibility in use (BWR 4)

Mechinacal resistance and stability: NPD
Resistance to impact/movement: NPD
Adhesion: NPD
Durability: Annex 2
Movement capability: NPD
Cycling of perimeter seals for curtain walls: NPD
Compression set: NPD
Linear expansion on setting: NPD

Protection against noise (BWR 5)

NPA: Annex

Energy economy and heat retention (BWR 6)

Thermal properties: NPD
Water vapour permeability: NPD

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **–**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Dr.-Ing. Oliver Geibig, Managing Director Business Units & Engineering

Jürgen Grün, Managing Director Chemistry & Quality

Tumlingen, 2022-03-21

This DoP has been prepared in different languages. In case there is a dispute on the interpretation the English version shall always prevail.

The Appendix includes voluntary and complementary information in English language exceeding the (language-neutrally specified) legal requirements.

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.

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 and fischer FireStop Hand Foam is to reinstate the fire resistance performance of rigid wall constructions where there are linear joints and gaps.

fischer FireStop Gun Foam and fischer FireStop Hand Foam shall be used in 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/m^3.

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 and fischer FireStop Hand Foam is specified in Annex B.

The fischer FireStop Gun Foam and fischer FireStop Hand Foam 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 Z_2: 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 has been made in accordance with EAD 350141-00-1106.

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)

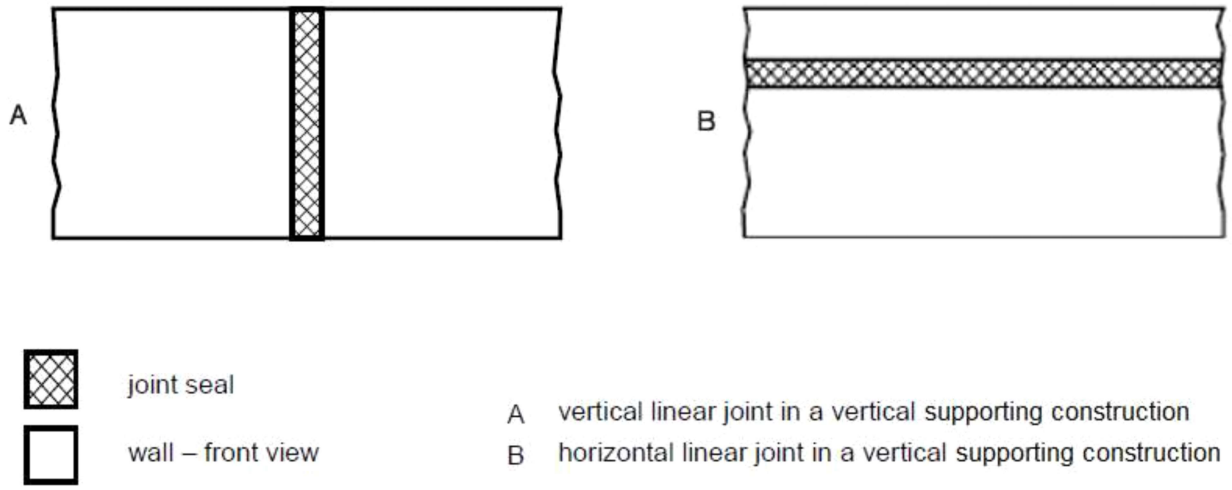
Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited in Instytut Techniki Budowlanej.

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.

Additional provisions

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

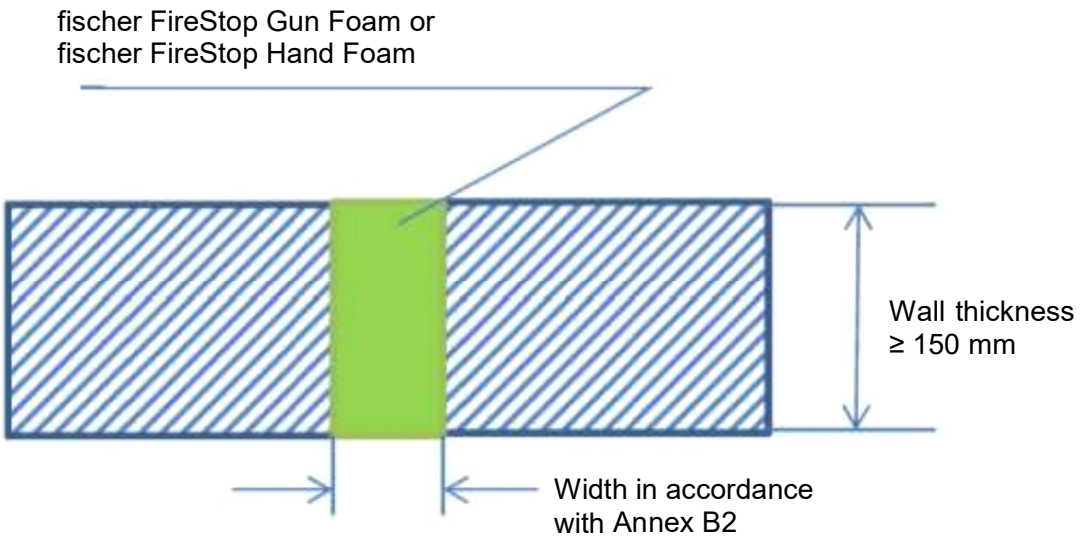
Fig. A1. Possible orientation of linear joints seals made with use of the fischer FireStop Gun Foam and fischer FireStop Hand Foam.



- The fischer FireStop Gun Foam and fischer FireStop Hand Foam shall be applicable only to straight parallel edge surfaces of wall.
- The gap shall be fully filled with the foam in accordance with Annex B.

fischer FireStop Gun Foam and fischer FireStop Hand Foam	
Additional provisions	

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



fischer FireStop Gun Foam and fischer FireStop Hand Foam	
Construction details of linear joint seals in rigid wall	

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 and fischer FireStop Hand Foam	
Resistance to fire classification of linear joint seals	