



DECLARATION OF PERFORMANCE

DoP-FS-1017

for fischer FiAM Plus Acoustic Mastic (Fire stopping and fire sealing products: Linear Joint and Gap Seals)

EN

|  |  |
|--|--|
| 1. <u>Unique identification code of the product-type:</u>  | DoP-FS-1017  |
| 2. <u>Intended use/es:</u>   | 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, 1-4. |
| 3. <u>Manufacturer:</u>  | fischerwerke GmbH & Co. KG, Klaus-Fischer-Str. 1, 72178 Waldachtal, Germany  |
| 4. <u>Authorised representative:</u>   | -  |
| 5. <u>System/s of AVCP:</u>  | 1  |
| 6. <u>European Assessment Document:</u><br>European Technical Assessment:<br>Technical Assessment Body:<br>Notified body/ies:  | EAD 350141-00-1106<br>ETA-23/0165; 2024-01-04<br>ETA-Danmark A/S<br>0800 - MFPA Leipzig  |
| 7. <u>Declared performance/s:</u><br><b><u>Safety in case of fire (BWR 2)</u></b><br>Reaction to fire: D-s1, d0<br>Resistance to fire: Annexes 5-21<br><br><b><u>Hygiene, health and the environment (BWR 3)</u></b><br>Air permeability (material property): Annex 2<br>Water permeability (material property): Annex 2<br>Content, emission and/or release of dangerous substances: Annex 2<br><br><b><u>Safety and accessibility in use (BWR 4)</u></b><br>Mechanical resistance and stability: NPD<br>Resistance to impact/movement: NPD<br>Adhesion: Annex 2<br>Durability: Annex 2<br><br><b><u>Protection against noise (BWR 5)</u></b><br>Airborne sound insulation: Annex 2<br><br><b><u>Energy economy and heat retention (BWR 6)</u></b><br>Thermal properties: NPD<br>Water vapour permeability: NPD |  |
| 8. <u>Appropriate Technical Documentation and/or Specific Technical Documentation:</u>   | -  |

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  
Tumlingen, 2024-01-11

Jürgen Grün, Managing Director Chemistry & Quality

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.

## **II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT**

### **1 Technical description of the product**

fischer FiAM Plus is a one-part water based acrylic sealant system used to reinstate the fire resistance performance of linear joint gaps in rigid or flexible wall constructions and rigid floor constructions.

fischer FiAM Plus is supplied in cartridges, foil packs and buckets and can be applied with a dispenser gun or troweled on a suitable backing material specified in Annex B of this document.

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

The intended use of fischer FiAM Plus is to reinstate the fire resistance performance of rigid or flexible wall constructions and rigid floor constructions.

The specific elements of construction that the system fischer FiAM Plus may be used to provide a linear joint seal:

#### **Drywalls:**

The wall must have a minimum thickness of 100 mm and comprise minimum 1 layer of gypsum board, steel or wood studs and stone wool insulation or no insulation.

#### **Rigid Walls:**

The wall must have a minimum thickness of 115 mm and comprise concrete, aerated concrete, or masonry, with a minimum density of 650 kg/m<sup>3</sup>.

#### **Rigid Floors:**

The floor must have a minimum thickness of 150 mm and comprise concrete or aerated concrete with a minimum density of 650 kg/m<sup>3</sup>.

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

The individual requirements for walls and floors are detailed in the respective systems in Annex B of this document.

fischer FiAM Plus may be used to provide a linear joint or gap seal with specific supporting constructions and substrates (for details see Annex B of this document).

The fire resistance of fischer FiAM Plus is tested according to EN 1364-4.

The maximum permitted joint/gap width for fischer FiAM Plus is 100 mm.

The maximum movement capability of fischer FiAM Plus is 25%

The provisions made in this European Technical Assessment are based on an assumed intended working life of the sealant system of 25 years, provided that the conditions laid down in the product data sheet for the packaging/transport/storage/installation/use/repair are met.

The indications given on the intended 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 selecting the appropriate 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   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
|--|--|--------------------|--|----------------|-------------------------------|-------------------|--------------------------------|----------|-----------------------------|----------|-----|--------------|--------------|
| <b>3.2 Safety in case of fire (BWR 2)</b>                              |  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Reaction to fire   | The product is classified as <b>D-s1, d0</b> in accordance with EN13501-1, and the EC Delegated regulation 2016/364/EU.  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Resistance to fire   | <b>See Annex B</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| <b>3.3 Hygiene, Health and the Environment (BWR 3)</b>                 |  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Air permeability   | <b>Leakage rate per unit area of the seal: Q &lt; 0,10 m³/hm²</b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Water permeability   | <table><tr><th>Clear opening [mm]</th><th>Result [Pa]</th></tr><tr><td>Ø 300</td><td>Watertight to <b>1.050 Pa</b></td></tr><tr><td>550x200</td><td>Watertight to <b>600 Pa</b></td></tr><tr><td>100x1000</td><td>Watertight to <b>600 Pa</b></td></tr></table>  | Clear opening [mm] | Result [Pa]  | Ø 300          | Watertight to <b>1.050 Pa</b> | 550x200           | Watertight to <b>600 Pa</b>    | 100x1000 | Watertight to <b>600 Pa</b> |          |     |              |              |
| Clear opening [mm]   | Result [Pa]  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Ø 300  | Watertight to <b>1.050 Pa</b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| 550x200  | Watertight to <b>600 Pa</b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| 100x1000   | Watertight to <b>600 Pa</b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Content, emission and/or release of dangerous Substances <sup>*)</sup> | <table><tr><th>Release scenario</th><th colspan="2"><b>IA1: Product with direct contact to indoor air.</b></th></tr><tr><td></td><td>3 days<br/>[mg/m³]</td><td>28 days<br/>[mg/m³]</td></tr><tr><td>SVOC</td><td><b>0</b></td><td><b>0</b></td></tr><tr><td>VOC</td><td><b>0,005</b></td><td><b>0,005</b></td></tr></table> | Release scenario   | <b>IA1: Product with direct contact to indoor air.</b> |                |                               | 3 days<br>[mg/m³] | 28 days<br>[mg/m³]             | SVOC     | <b>0</b>                    | <b>0</b> | VOC | <b>0,005</b> | <b>0,005</b> |
| Release scenario   | <b>IA1: Product with direct contact to indoor air.</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
|  | 3 days<br>[mg/m³]  | 28 days<br>[mg/m³] |  |                |                               |                   |                                |          |                             |          |     |              |              |
| SVOC   | <b>0</b>   | <b>0</b>           |  |                |                               |                   |                                |          |                             |          |     |              |              |
| VOC  | <b>0,005</b>   | <b>0,005</b>       |  |                |                               |                   |                                |          |                             |          |     |              |              |
| <b>3.4 Safety and accessibility in use (BWR4)</b>                      |  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Mechanical resistance and stability                                    | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Resistance to impact/movement  | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Adhesion   | <table><tr><td>Elastic recovery</td><td><b>19 %</b></td></tr><tr><td>Loss of volume</td><td><b>16.2 %</b></td></tr><tr><td>Flow of sealant</td><td><b>No performance assessed</b></td></tr></table>  | Elastic recovery   | <b>19 %</b>  | Loss of volume | <b>16.2 %</b>                 | Flow of sealant   | <b>No performance assessed</b> |          |                             |          |     |              |              |
| Elastic recovery   | <b>19 %</b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Loss of volume   | <b>16.2 %</b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Flow of sealant  | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Durability   | Use category: <b>Type Y<sub>2</sub></b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Movement capability  | <b>See Annex B</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Cycling of perimeter seals for curtain wall                            | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Compression set  | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Linear expansion on setting  | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| <b>3.5 Protection against noise (BWR5)</b>                             |  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Airborne sound insulation  | <b>R<sub>s,w</sub> (C; C<sub>tr</sub>) = 55 (-2; -5) dB</b>  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| <b>3.6 Energy economy and heat retention (BWR6)</b>                    |  |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Thermal properties   | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |
| Water vapour permeability  | <b>No performance assessed</b>   |                    |  |                |                               |                   |                                |          |                             |          |     |              |              |

See additional information in section 3.7-3.8

<sup>\*)</sup> 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. Appendix 2/21

### **3.7 Methods of verification**

The assessment of fischer FiAM Plus for the declared intended use has been made in accordance with EAD 350141-00-1106 Firestopping and fire sealing products, Linear Joint Seals.

### **3.8 General aspects related to the fitness for use of the product.**

The verification of durability is part of testing the essential characteristics. fischer FiAM Plus may be used in end-use applications according to the provisions for use category Y<sub>2</sub> (intended for use at temperatures below 0°C, but with exposure to UV, but no exposure to rain or UV radiation) without expecting significant changes of the characteristics relevant for fire protection. Products that meet the requirements for type Y<sub>2</sub> also meet the requirement for type Z<sub>1</sub> and Z<sub>2</sub>.

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, 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 ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

The fischer FiAM Plus for firestopping and fire sealing purposes are manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.

## **4 Attestation and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base.**

### **4.1 AVCP system**

According to the decision 1999/454/EC of the European Commission, the system 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 provided for 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.

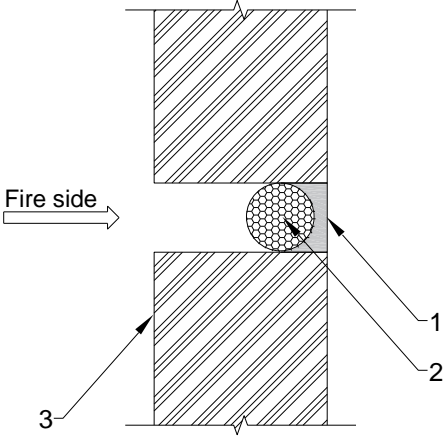
## Annex B

### Resistance to Fire Classification of fischer FiAM Plus

#### B.1 Rigid wall constructions with wall thickness of minimum 115 mm

##### B.1.1 Backer rod systems

##### B.1.1.1 Single sided wall joint seal, unexposed side

|  |   |
|--|---|
| <b>Joint Seal:</b> fischer FiAM Plus sealant to one side of the wall, backed with backer rod or stone wool, installed flush with surface of wall, wall thickness $\geq 115$ mm, with movement capability |   |
| Construction details:  <p>Figure not to scale</p>  | Key: <ol style="list-style-type: none"> <li>1. FiAM Plus</li> <li>2. Backing material</li> <li>3. Wall</li> </ol> |

**Table B.1.1.1**

| Substrate  | Seal thickness       | Movement capability | Backing material | Classification   |
|--|----------------------|---------------------|------------------|--|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 10 \text{ mm}$ | $\pm 12.5 \%$       | PE backer rod    | E 240–V–M12.5–F W 0 to W 20<br>EI 45–V–M12.5–F W 0 to W 20 |
|  | $\geq 20 \text{ mm}$ |                     |                  | E 240–V–M12.5–F W 0 to W 50<br>EI 60–V–M12.5–F W 0 to W 50 |

|   |                      |
|---|----------------------|
| <b>fischer FiAM Plus</b>                            | <b>Annex B.1.1.1</b> |
| <b>Single sided wall joint seal, unexposed side</b> |                      |

**B.1.1.2 Single sided wall joint seal, exposed side**

**Joint Seal:** fischer FiAM Plus sealant to one side of the wall, backed with backer rod or stone wool, installed flush with surface of wall, wall thickness  $\geq 115$  mm, with movement capability

Construction details:

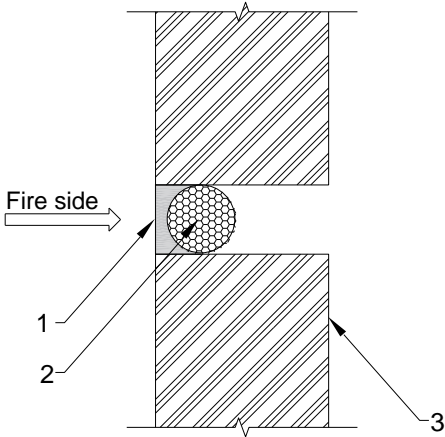


Figure not to scale

Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Wall

**Table B.1.1.2**

| Substrate  | Seal thickness       | Movement capability | Backing material | Classification   |
|--|----------------------|---------------------|------------------|--|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 10 \text{ mm}$ | $\pm 12.5 \%$       | PE backer rod    | E 240–V–M12.5–F–W 0 to W 20<br>EI 30–V–M12.5–F–W 0 to W 20 |
|  | $\geq 20 \text{ mm}$ |                     |                  | E 240–V–M12.5–F–W 0 to W 50<br>EI 45–V–M12.5–F–W 0 to W 50 |

|  |               |
|--|---------------|
| fischer FiAM Plus                          | Annex B.1.1.2 |
| Single sided wall joint seal, exposed side |               |

B.2 Rigid wall constructions with wall thickness of minimum 124 mm

B.2.1 Backer rod systems

B.2.1.1 Double sided wall joint seal

**Joint Seal:** fischer FiAM Plus sealant to both sides of the wall, backed with backer rod or stone wool, installed flush with surface of wall, rigid wall thickness ≥124 mm, with movement capability

Construction details:

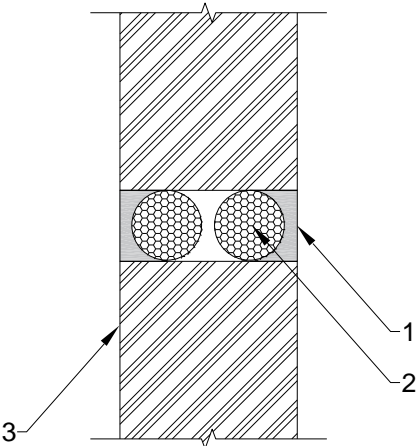


Figure not to scale

Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Wall

Table B.2.1.1

| Substrate  | Seal thickness       | Movement capability | Backing material | Classification  |
|--|----------------------|---------------------|------------------|---|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 10 \text{ mm}$ | $\pm 25 \%$         | PE backer rod    | E 240–V–M25–F–W 0 to W 60<br>EI 120–V–M25–F–W 0 to W 60 |

|                              |               |
|------------------------------|---------------|
| fischer FiAM Plus            | Annex B.2.1.1 |
| Double sided wall joint seal |               |



**B.2.1.2 Double sided wall joint seal, timber one side**

**Joint Seal:** fischer FiAM Plus sealant to both sides of the wall, backed with backer rod or stone wool, installed flush with surface of wall, rigid wall thickness ≥124 mm

Construction details:

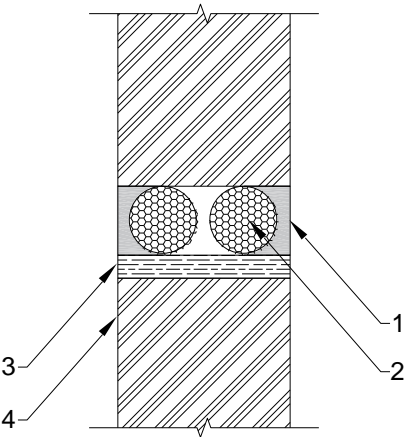


Figure not to scale

Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Timber
- 4. Wall

**Table B.2.1.2**

| Substrate   | Seal thickness       | Backing material | Classification          |
|---|----------------------|------------------|-------------------------|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) / timber | $\geq 10 \text{ mm}$ | PE backer rod    | EI 90-V-X-F-W 0 to W 50 |

|   |               |
|---|---------------|
| fischer FiAM Plus                             | Annex B.2.1.2 |
| Double sided wall joint seal, timber one side |               |

**B.2.1.3 Double sided wall joint seal, timber double side**

**Joint Seal:** fischer FiAM Plus sealant to both sides of the wall, backed with backer rod or stone wool, installed flush with surface of wall, rigid wall thickness ≥124 mm

Construction details:

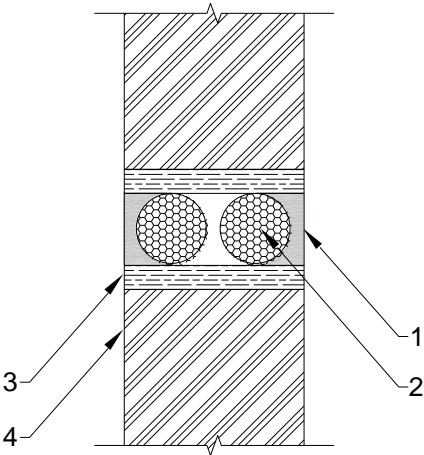


Figure not to scale

Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Timber
- 4. Wall

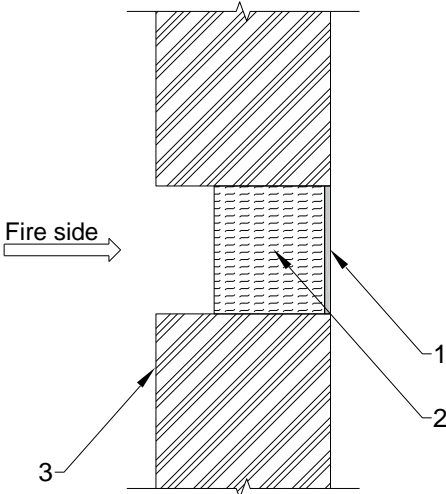
**Table B.2.1.3**

| Substrate | Seal thickness | Backing material | Classification          |
|-----------|----------------|------------------|-------------------------|
| Timber    | ≥10 mm         | PE backer rod    | EI 90–V–X–F–W 0 to W 50 |

|  |               |
|--|---------------|
| fischer FiAM Plus                                | Annex B.2.1.3 |
| Double sided wall joint seal, timber double side |               |

## B.2.2 Stone wool systems

### B.2.2.1 Single sided wall joint seal, unexposed side

|  |   |
|--|---|
| <b>Joint Seal:</b> fischer FiAM Plus sealant to one side of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness $\geq 124$ mm, with movement capability |   |
| Construction details:  <p>Figure not to scale</p>   | Key: <ol style="list-style-type: none"> <li>1. FiAM Plus</li> <li>2. Backing material</li> <li>3. Wall</li> </ol> |

**Table B.2.2.1**

| Substrate  | Seal thickness      | Movement capability | Backing material   | Classification  |
|--|---------------------|---------------------|--|---|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 5 \text{ mm}$ | $\pm 25 \%$         | Stone wool,<br>thickness $\geq 100 \text{ mm}$<br>$\rho \geq 60 \text{ kg/m}^3$ ,<br>compressed $\geq 30 \%$ | E 240–V–M25–F–W 5 to W 60<br>EI 180–V–M25–F–W 5 to W 60 |

|   |                      |
|---|----------------------|
| <b>fischer FiAM Plus</b>                            | <b>Annex B.2.2.1</b> |
| <b>Single sided wall joint seal, unexposed side</b> |                      |

**B.2.2.2 Single sided wall joint seal, exposed side**

**Joint Seal:** fischer FiAM Plus sealant to one side of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness  $\geq 124$  mm, with movement capability

Construction details:

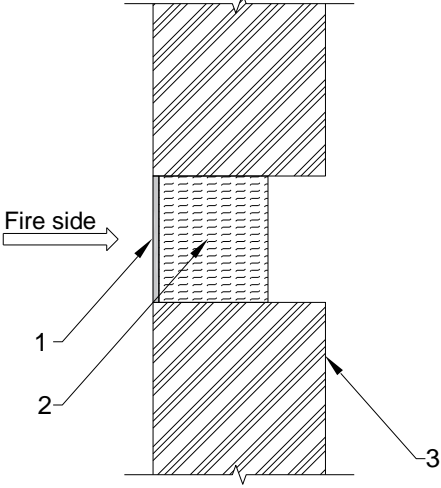


Figure not to scale

Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Wall

**Table B.2.2.2**

| Substrate  | Seal thickness      | Movement capability | Backing material   | Classification  |
|--|---------------------|---------------------|--|---|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 5 \text{ mm}$ | $\pm 25 \%$         | Stone wool,<br>thickness $\geq 100\text{mm}$<br>$\rho \geq 60\text{kg/m}^3$ ,<br>compressed $\geq 30 \%$ | E 240–V–M25–F–W 5 to W 60<br>EI 120–V–M25–F–W 5 to W 60 |

|   |                      |
|---|----------------------|
| <b>fischer FiAM Plus</b>                          | <b>Annex B.2.2.2</b> |
| <b>Single sided wall joint seal, exposed side</b> |                      |

### B.2.2.3 Double sided wall joint seal

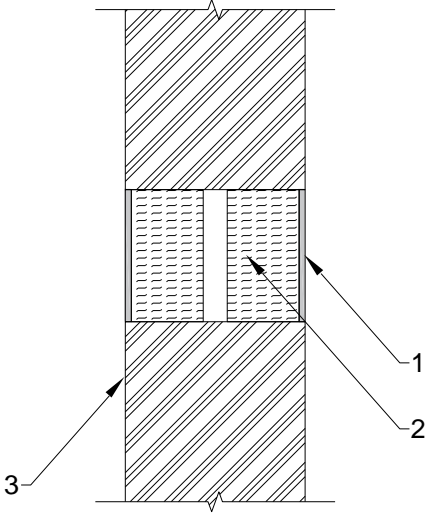
|  |   |
|--|---|
| <b>Joint Seal:</b> fischer FiAM Plus sealant to both sides of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness $\geq 124$ mm, with movement capability |   |
| Construction details:   | Key: <ol style="list-style-type: none"> <li>1. FiAM Plus</li> <li>2. Backing material</li> <li>3. Wall</li> </ol> |

Figure not to scale

**Table B.2.2.3**

| Substrate  | Seal thickness      | Movement capability | Backing material*  | Classification                |
|--|---------------------|---------------------|--|-------------------------------|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 5 \text{ mm}$ | $\pm 12.5 \%$       | Stone wool,<br>thickness $\geq 50 \text{ mm}$<br>on both sides*,<br>$\rho \geq 60 \text{ kg/m}^3$ ,<br>compressed $\geq 30 \%$ | EI 120–V–M12.5–F–W 5 to W 100 |

\*  $\geq 5 \text{ mm}$  air gap between layers of insulation

|                                     |                      |
|-------------------------------------|----------------------|
| <b>fischer FiAM Plus</b>            | <b>Annex B.2.2.3</b> |
| <b>Double sided wall joint seal</b> |                      |

### B.2.2.4 Double sided wall joint seal, steel one side

**Joint Seal:** fischer FiAM Plus sealant to both sides of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness  $\geq 124$  mm

Construction details:

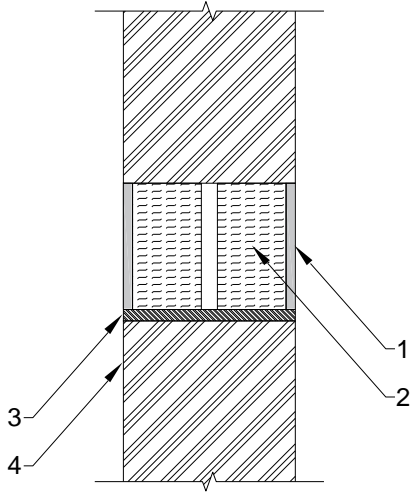


Figure not to scale

Key:

1. FiAM Plus
2. Backing material
3. Steel
4. Wall

**Table B.2.2.4**

| Substrate  | Seal thickness       | Backing material   | Classification                                     |
|--|----------------------|--|--|
| Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) / steel | $\geq 10 \text{ mm}$ | Stone wool,<br>thickness $\geq 50\text{mm}$ on<br>both sides*,<br>$\rho \geq 60\text{kg/m}^3$ ,<br>compressed $\geq 30 \%$ | E 240-V-X-F-W 5 to W 70<br>EI 45-V-X-F-W 5 to W 70 |

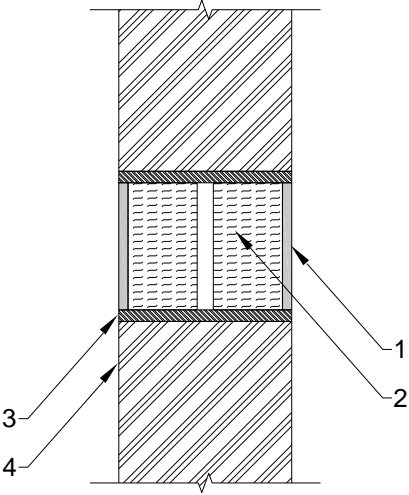
\*  $\geq 5 \text{ mm}$  air gap between layers of insulation

|   |                      |
|---|----------------------|
| <b>fischer FiAM Plus</b>                            | <b>Annex B.2.2.4</b> |
| <b>Double sided wall joint seal, steel one side</b> |                      |

**B.2.2.5 Double sided wall joint seal, steel double side**

**Joint Seal:** fischer FiAM Plus sealant to both sides of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness  $\geq 124$  mm

Construction details:



Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Steel
- 4. Wall

Figure not to scale

**Table B.2.2.5**

| Substrate | Seal thickness | Backing material  | Classification                                     |
|-----------|----------------|---|--|
| Steel     | $\geq 10$ mm   | Stone wool, thickness $\geq 50$ mm on both sides*, $\rho \geq 60\text{kg/m}^3$ , compressed $\geq 30$ % | E 240–V–X–F–W 5 to W 70<br>EI 45–V–X–F–W 5 to W 70 |

\*  $\geq 5$  mm air gap between layers of insulation

|  |                      |
|--|----------------------|
| <b>fischer FiAM Plus</b>                               | <b>Annex B.2.2.5</b> |
| <b>Double sided wall joint seal, steel double side</b> |                      |

**B.3 Head of wall construction with rigid wall and floor, minimum floor thickness 150mm**

**B.3.1 Backer rod systems**

**B.3.1.1 Double sided head of wall joint seal**

**Joint Seal:** fischer FiAM Plus sealant to both sides of the wall as head of wall joint, backed with backer rod or stone wool wool, installed flush with surface of wall, rigid wall thickness ≥115 mm, with movement capability

Construction details:

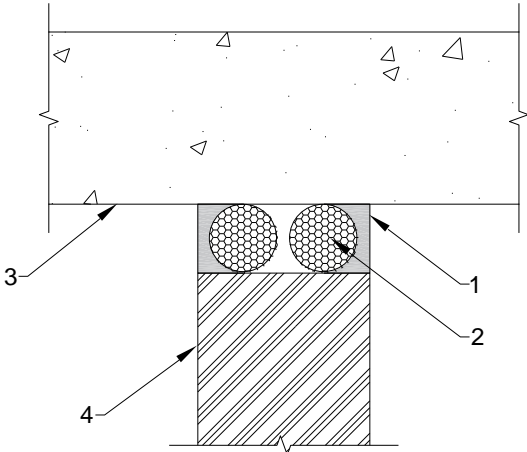


Figure not to scale

Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Floor
- 4. Wall

**Table B.3.1.1**

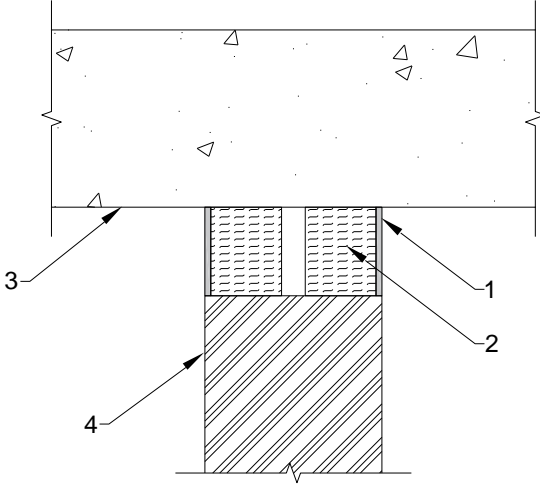
| Substrate   | Seal thickness       | Movement capability | Backing material | Classification  |
|---|----------------------|---------------------|------------------|---|
| Rigid floor<br>( $\rho \geq 650 \text{ kg/m}^3$ ) /<br>Rigid wall<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 10 \text{ mm}$ | $\pm 25 \%$         | PE backer rod    | E 240–T–M25–F–W 0 to W 60<br>EI 180–T–M25–F–W 0 to W 60 |

|                                      |               |
|--------------------------------------|---------------|
| fischer FiAM Plus                    | Annex B.3.1.1 |
| Double sided head of wall joint seal |               |



## B.3.2 Stone wool systems

### B.3.2.1 Double sided head of wall joint seal

|  |  |
|--|--|
| <b>Joint Seal:</b> fischer FiAM Plus sealant to both sides of the wall as head of wall joint, backed with stone wool, installed flush with surface of wall, wall thickness $\geq 115$ mm, with movement capability |  |
| Construction details:  <p>Figure not to scale</p>   | Key: <ol style="list-style-type: none"> <li>1. FiAM Plus</li> <li>2. Backing material*</li> <li>3. Floor</li> <li>4. Wall</li> </ol> |

**Table B.3.2.1**

| Substrate  | Seal thickness      | Movement capability | Backing material   | Classification             |
|--|---------------------|---------------------|--|----------------------------|
| Rigid floor ( $\rho \geq 650 \text{ kg/m}^3$ ) / Rigid wall ( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 5 \text{ mm}$ | $\pm 25 \%$         | Stone wool, thickness $\geq 50 \text{ mm}$ on both sides*, $\rho \geq 60 \text{ kg/m}^3$ , compressed $\geq 30 \%$ | EI 240-T-M25-F-W 5 to W 60 |
|  | $\geq 3 \text{ mm}$ |                     |  | EI 240-T-M25-F-W 5 to W 40 |

\*  $\geq 5 \text{ mm}$  air gap between layers of insulation

|   |                      |
|---|----------------------|
| <b>fischer FiAM Plus</b>                    | <b>Annex B.3.2.1</b> |
| <b>Double sided head of wall joint seal</b> |                      |

B.4 Rigid floor construction with floor thickness of minimum 150mm

B.4.1 Backer rod systems

B.4.1.1 Single sided floor joint seal

**Joint Seal:** fischer FiAM Plus sealant to upper side of floor, backed with backer rod or stone wool, installed flush with surface of floor, floor thickness ≥150 mm, with movement capability

Construction details:

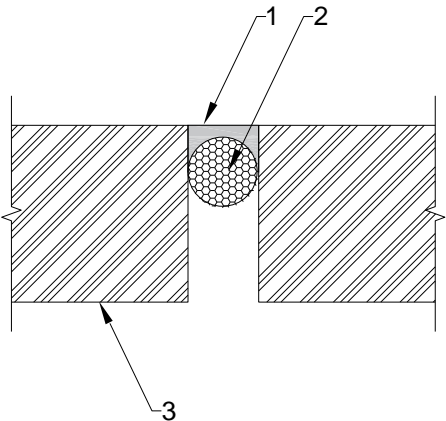


Figure not to scale

Key:

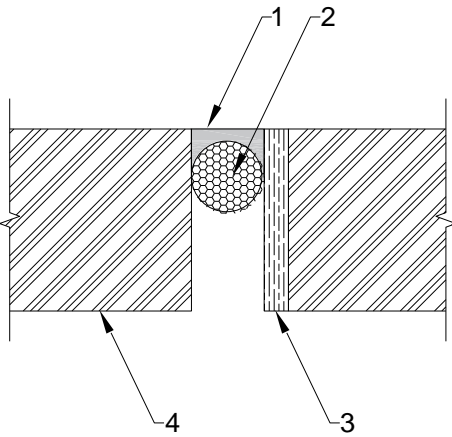
- 1. FiAM Plus
- 2. Backing material
- 3. Floor

Table B.4.1.1

| Substrate   | Seal thickness       | Movement capability | Backing material | Classification   |
|---|----------------------|---------------------|------------------|--|
| Rigid floor<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 15 \text{ mm}$ | $\pm 25 \%$         | PE backer rod    | E 240-H-M25-F-W 0 to W 40<br>EI 60-H-M25-F-W 0 to W 40 |
|   | $\geq 10 \text{ mm}$ | $\pm 20 \%$         |                  | E 180-H-M20-F-W 0 to W 50<br>EI 20-H-M20-F-W 0 to W 50 |
|   | $\geq 8 \text{ mm}$  |                     |                  | E 240-H-M20-F-W 0 to W 20<br>EI 45-H-M20-F-W 0 to W 20 |

|                               |               |
|-------------------------------|---------------|
| fischer FiAM Plus             | Annex B.4.1.1 |
| Single sided floor joint seal |               |

**B.4.1.2 Single sided floor joint seal, timber one side**

|  |  |
|--|--|
| <b>Joint Seal:</b> fischer FiAM Plus sealant to upper side of floor, backed with PE backer rod or stone wool, installed flush with surface of floor, floor thickness ≥150 mm |  |
| Construction details:<br>   | Key:<br><br>1. FiAM Plus<br>2. Backing material<br>3. Timber<br>4. Floor |
| Figure not to scale  |  |

**Table B.4.1.2**

| Substrate  | Seal thickness         | Backing material | Classification          |
|--|------------------------|------------------|-------------------------|
| Rigid floor<br>( $\rho \geq 650 \text{ kg/m}^3$ ) / timber | $\geq 12.5 \text{ mm}$ | PE backer rod    | EI 60–H–X–F–W 0 to W 50 |

|   |                      |
|---|----------------------|
| <b>fischer FiAM Plus</b>                              | <b>Annex B.4.1.2</b> |
| <b>Single sided floor joint seal, timber one side</b> |                      |

**B.4.1.3 Single sided floor joint seal, steel one side**

**Joint Seal:** fischer FiAM Plus sealant to upper side of floor, backed with backer rod or stone wool, installed flush with surface of floor, floor thickness  $\geq 150$  mm

Construction details:

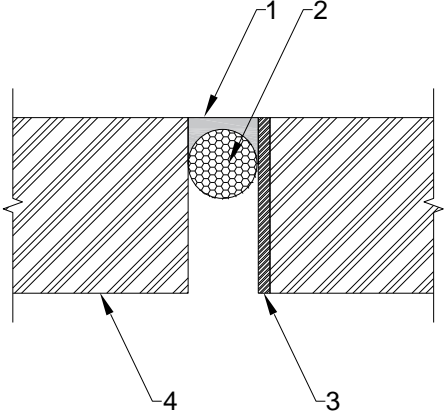


Figure not to scale

Key:

- 1. FiAM Plus
- 2. Backing material
- 3. Steel
- 4. Floor

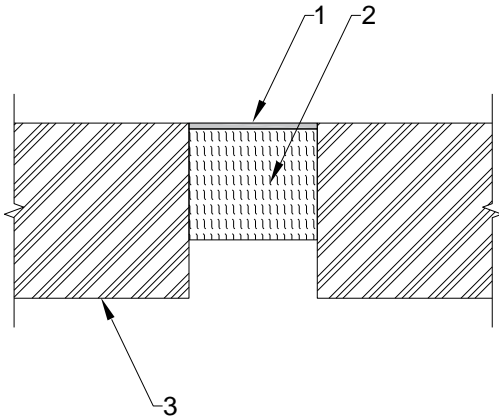
**Table B.4.1.3**

| Substrate   | Seal thickness       | Backing material | Classification                                     |
|---|----------------------|------------------|--|
| Rigid floor<br>( $\rho \geq 650 \text{ kg/m}^3$ ) / steel | $\geq 10 \text{ mm}$ | PE backer rod    | E 240–H–X–F–W 0 to W 20<br>EI 30–H–X–F–W 0 to W 20 |

|   |               |
|---|---------------|
| fischer FiAM Plus                             | Annex B.4.1.3 |
| Single sided floor joint seal, steel one side |               |

## B.4.2 Backer rod systems

### B.4.2.1 Single sided floor joint seal

|   |  |
|---|--|
| <b>Joint Seal:</b> fischer FiAM Plus sealant to upper side of floor, backed with stone wool, installed flush with surface of floor, floor thickness $\geq 150$ mm, with movement capability |  |
| Construction details:    | Key: <ol style="list-style-type: none"> <li>1. FiAM Plus</li> <li>2. Backing material</li> <li>3. Floor</li> </ol> |
| Figure not to scale   |  |

**Table B.4.2.1**

| Substrate   | Seal thickness      | Movement capability | Backing material   | Classification  |
|---|---------------------|---------------------|--|---|
| Rigid floor<br>( $\rho \geq 650 \text{ kg/m}^3$ ) | $\geq 5 \text{ mm}$ | $\pm 25 \%$         | Stone wool,<br>thickness $\geq 100 \text{ mm}$<br>$\rho \geq 60 \text{ kg/m}^3$ ,<br>compressed $\geq 30 \%$ | EI 240-H-M25-F-W 5 to W 60                                    |
|   |                     | $\pm 25 \%$         |  | EI 120-H-M25-F-W 5 to W 100                                   |
|   |                     | $\pm 12.5 \%$       |  | E 240-H-M12.5-F-W 5 to W 100<br>EI 120-H-M12.5-F-W 5 to W 100 |

|                                      |                      |
|--------------------------------------|----------------------|
| <b>fischer FiAM Plus</b>             | <b>Annex B.4.2.1</b> |
| <b>Single sided floor joint seal</b> |                      |

#### B.4.2.2 Single sided floor joint seal, steel one side

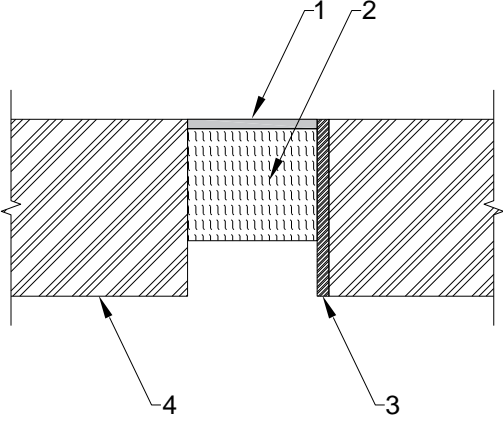
|   |  |
|---|--|
| <b>Joint Seal:</b> fischer FiAM Plus sealant to upper side of floor, backed with stone wool, installed flush with surface of floor, floor thickness $\geq 150$ mm |  |
| Construction details:    | Key: <ol style="list-style-type: none"> <li>1. FiAM Plus</li> <li>2. Backing material</li> <li>3. Steel</li> <li>4. Floor</li> </ol> |

Figure not to scale

**Table B.4.2.2**

| Substrate   | Seal thickness       | Backing material   | Classification                                     |
|---|----------------------|--|--|
| Rigid floor<br>( $\rho \geq 650 \text{ kg/m}^3$ ) / steel | $\geq 10 \text{ mm}$ | Stone wool,<br>thickness $\geq 100\text{mm}$<br>$\rho \geq 60\text{kg/m}^3$ ,<br>compressed $\geq 30 \%$ | E 180-H-X-F-W 5 to W 60<br>EI 20-H-X-F-W 5 to W 60 |

|  |                      |
|--|----------------------|
| <b>fischer FiAM Plus</b>                             | <b>Annex B.4.2.2</b> |
| <b>Single sided floor joint seal, steel one side</b> |                      |