# DECLARATION OF PERFORMANCE

## DoP-FS-1002

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

| | | |
|---|---|---|
| 1. | Unique identification code of the product-type: | **DoP-FS-1002** |
| 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 1-2.** |
| 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-20/1065; 2021-05-10** |
| | 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: NPD
Resistance to fire: Annexes 5-29

**Hygiene, health and the environment (BWR 3)**

Content, emission and/or release of dangerous substances: Annex 3
Air permeability (material property): Annex 30
Water permeability (material property): NPD

**Safety and accessibility in use (BWR 4)**

Mechanical resistance and stability: NPD
Resistance to impact/movement: NPD
Adhesion: Annex 1
Durability: Annex 3
Movement capability: Annexes 5-29
Cycling of perimeter seals for curtain walls: NPD
Compression set: NPD
Linear expansion on setting: NPD

**Protection against noise (BWR 5)**

Airborne sound insulation: Annexes 31-32

**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, 2021-05-17

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.

## I. SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT

### 1 Technical description of the product

1) fischer FiAM Intumescent Acoustic Mastic is an acrylic based sealant used to form linear gap seals where gaps are presented in wall and floor constructions and linear joint seals where wall and floor constructions abut.

2) fischer FiAM Intumescent Acoustic Mastic is supplied in liquid form contained within 310 ml & 380 ml cartridges, 600 ml foils or in 5, 10, 20 or 25 litre tubs. The sealant is gunned or trowelled into the aperture in or between the separating element/elements to a specified depth using various backing materials.

3) The applicant has submitted a written declaration that fischer FiAM Intumescent Acoustic Mastic does not contain substances which have to be classified as dangerous according to article 59 (1, 10) of the Regulation (EC) No 1907/2006 (REACH).

   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.

4) The use category of fischer FiAM Intumescent Acoustic Mastic in relation to BWR 3 (Hygiene, health and environment) is IA2

## 2 Specification of the intended uses of the product in accordance with the applicable European Assessment Document (Hereinafter EAD)

Detailed information and data is given in Annex A.

1) The intended use of system fischer FiAM Intumescent Acoustic Mastic is to reinstate the fire resistance performance of gaps in and joints in and between flexible and rigid wall constructions, gaps in and joints between rigid floor constructions.

2) The specific elements of construction that the system fischer FiAM Intumescent Acoustic Mastic may be used to provide a gap or joint seal in, are as follows:

   a. Flexible walls: The wall must have a minimum thickness of 75 mm and comprise steel studs or timber studs lined on both faces with minimum 1 layer of 12.5 mm thick boards.
   b. Rigid walls: The wall must have a minimum thickness of 75 mm and comprise concrete, aerated concrete or masonry with a minimum density of 650 kg/m$^3$.
   c. Rigid floors: The floor must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m$^3$.

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

3) The System fischer FiAM Intumescent Acoustic Mastic may be used to provide a linear joint or gap seal with specific supporting constructions and substrates (for details see Annex A).

4) The maximum permitted joint/gap width for system fischer FiAM Intumescent Acoustic Mastic is 60 mm.

5) The maximum movement capability of system fischer FiAM Intumescent Acoustic Mastic is ≤ 7.5% depending on the application and installation (for details see Annex A).

6) The provisions made in this European Technical Assessment are based on an assumed working life of the fischer FiAM Intumescent Acoustic Mastic of 25 years, provided that the conditions laid down in the product datasheet for the packaging/transport/ storage/installation/use/repair are met. 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.

7) Type X: Intended for use in conditions exposed to weathering and all lower classes.

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

| Product-type: Intumescent sheet | Intended use: Penetration Seal |
|---|---|
| Essential characteristic | Product performance |
| **BWR 2 Safety in case of fire** | |
| Reaction to fire | No performance assessed |
| Resistance to fire | Annex A |
| **BWR 3 Hygiene, health and environment** | |
| Content, emission and/or release of dangerous substances | Use categories: IA2<br>Declaration of manufacturer |
| Air permeability (material property) | Annex B |
| Water permeability (material property) | No performance assessed |
| **BWR 4 Safety in use** | |
| Mechanical resistance and stability | No performance assessed |
| Resistance to impact/movement | No performance assessed |
| Adhesion | 7.5P |
| Durability | Type X |
| Movement capacity | Annex A |
| Cycling of perimeter seals for curtain walls | No performance assessed |
| Compression set | No performance assessed |
| Linear expansion on setting | No performance assessed |
| **BWR 5 Protection against noise** | |
| Airborne sound insulation | Annex C |
| **BWR 6 Energy economy and heat retention** | |
| Thermal properties | No performance assessed |
| Water vapour permeability | No performance assessed |

## 4 ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (HEREINAFTER AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE

According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards fire stopping, fire sealing and fire protective products, published in the Official Journal of the European Union (OJEU) L178/52 of 14/07/1999, (see https://eur-lex.europa.eu/oj/direct-access.html) of the European Commission[1], as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table(s) applies (apply).

| Product(s) | Intended use(s) | Level(s) or class(es) | System(s) |
|---|---|---|---|
| Fire stopping and Fire Sealing Products | For fire compartmentation and/or fire protection or fire performance | Any | 1 |

[1] Official Journal of the European Communities L178/52 of 14/7/1999

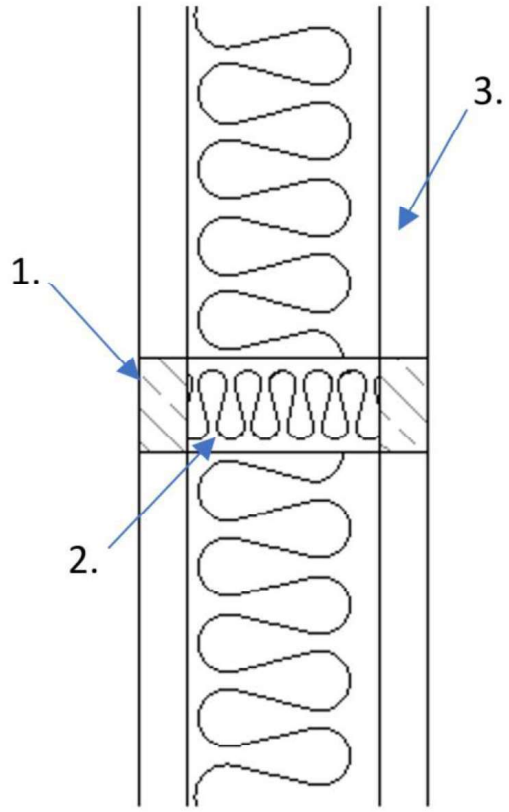
# ANNEX A – Resistance to Fire Classification – fischer FiAM Intumescent Acoustic Mastic

## A.1 Flexible and rigid wall constructions with wall thickness of minimum 75 mm

### A.1.1 Double sided linear joint seal

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, backed with a 50 mm depth of stone wool or ceramic wool (45kg/m³), joint widths up to 25 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Flexible Wall

#### A.1.1.1

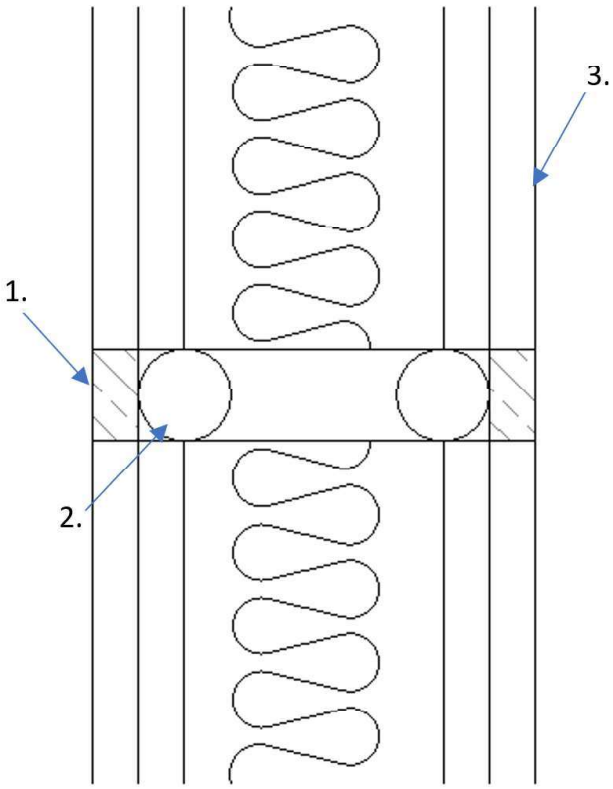
| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Flexible / flexible | 12.5 | Stone wool or ceramic wool (50mm 45kg/m³) | **E 60 – V – X – F – W 00 to W 25** |
| Masonry / masonry | | | **EI 45 – V – X – F – W 00 to W 25** |

## A.2 Flexible and rigid wall constructions with wall thickness of minimum 120 mm

### A.2.1 Double sided linear joint seal

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, backed with PE backing rod, glass wool, stone wool or ceramic wool, joint widths up to 20 mm.

Construction details:



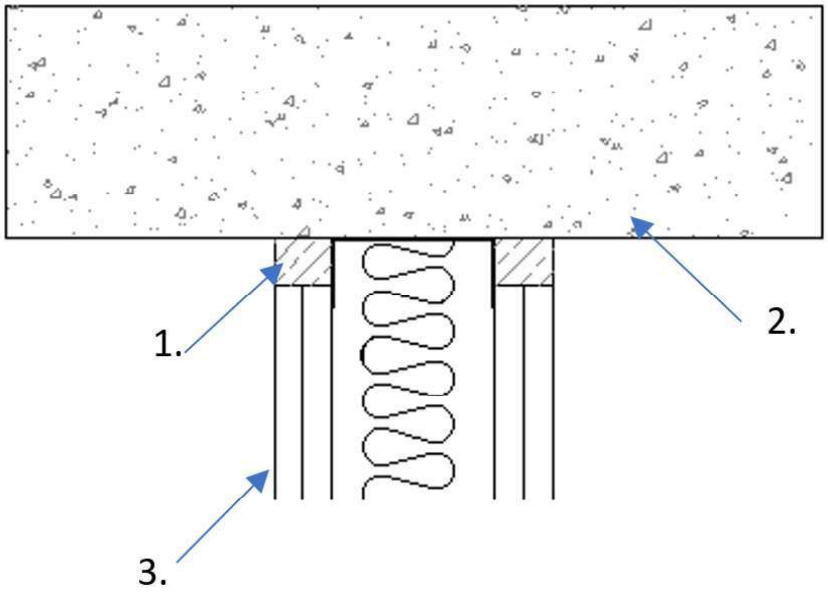

Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Flexible Wall

#### A.2.1.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Flexible / flexible | 12.5 | PE backing rod, glass wool, stone wool or ceramic wool | **EI 120 – V – X – F – W 00 to W 20** |
| Masonry / masonry | | | |

### A.2.2 Double sided head of wall joint seal

| **Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 20 mm. | |
|---|---|
| Construction details:<br>  <br> | Key:<br>1. fischer FiAM Intumescent Acoustic Mastic Sealant<br>2. Rigid Floor<br>3. Flexible Wall |

#### A.2.2.1

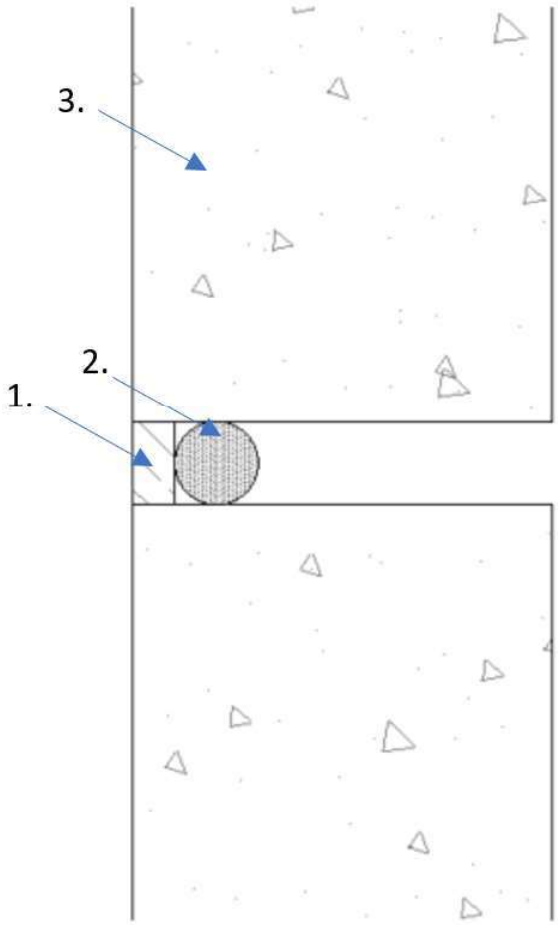
| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Flexible / concrete | 25 | Steel head track | **EI 120 – T – X – F – W 00 to W 20** |
| Masonry / concrete | | | |

## A.3 Rigid wall constructions with wall thickness of minimum 100 mm

### A.3.1 Single sides linear joint seal

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to either side of the wall, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall

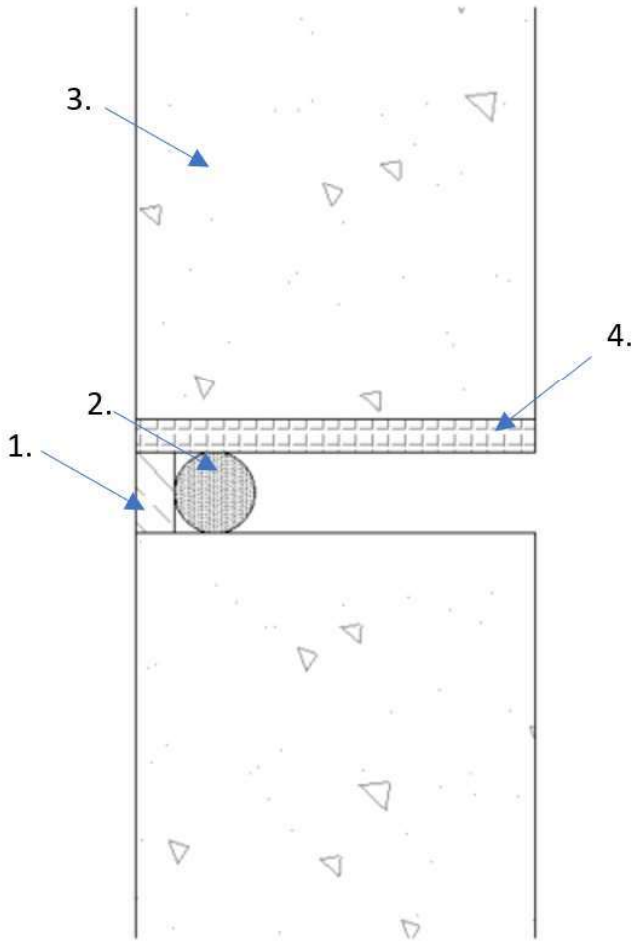
**A.3.1.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **E 120 – V – X – F – W 00 to W 50**<br>**EI 60 – V – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 120 – V – X – F – W 00 to W 50**<br>**EI 45 – V – X – F – W 00 to W 50** |

### A.3.2 Single sided linear joint seal with steel faced wall

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to either side of the wall.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall
4. Steel

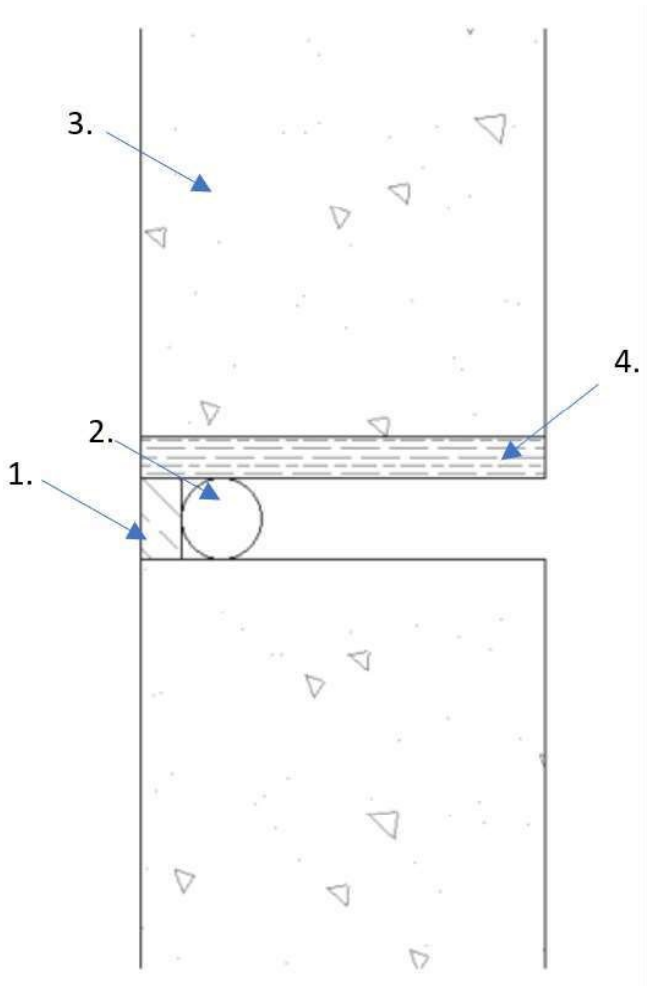
#### A.3.2.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / steel | 10 | PE backing rod, glass wool, stone wool or ceramic wool | **E 120 – V – X – F – W 00 to W 20**<br>**EI 20 – V – X – F – W 00 to W 20** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 45 – V – X – F – W 00 to W 50**<br>**EI 20 – V – X – F – W 00 to W 50** |

### A.3.3 Single sided linear joint seal with timber faced wall

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to either side of the wall, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall
4. Timber

**A.3.3.1**

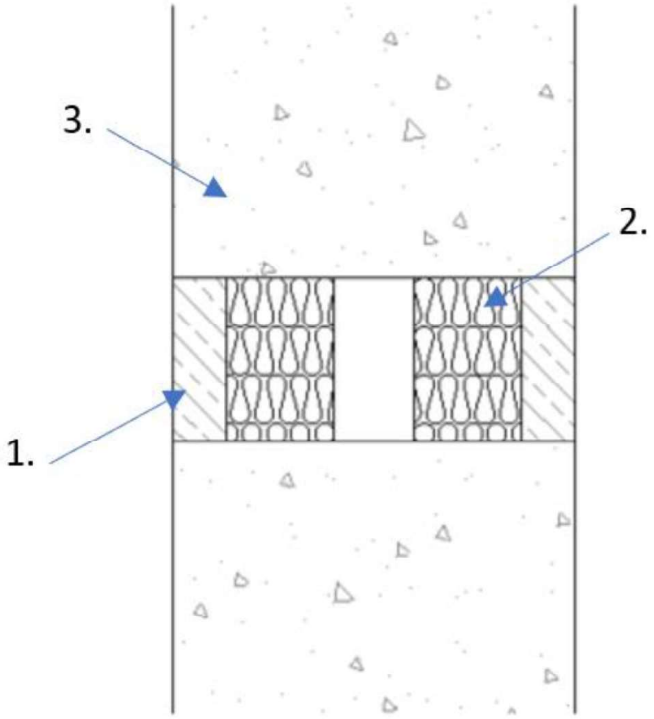
| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / timber | 2:1 ratio (width:depth) & Min. 10 | PE backing rod, glass wool, stone wool or ceramic wool | **E 30 – V – X – F – W 00 to W 50**<br>**EI 20 – V – X – F – W 00 to W 50** |
| | 25 | | **EI 45 – V – X – F – W 00 to W 50** |

## A.4 Rigid wall constructions with wall thickness of minimum 150 mm

### A.4.1 Double sided linear joint seal

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 60 mm.

Construction details:



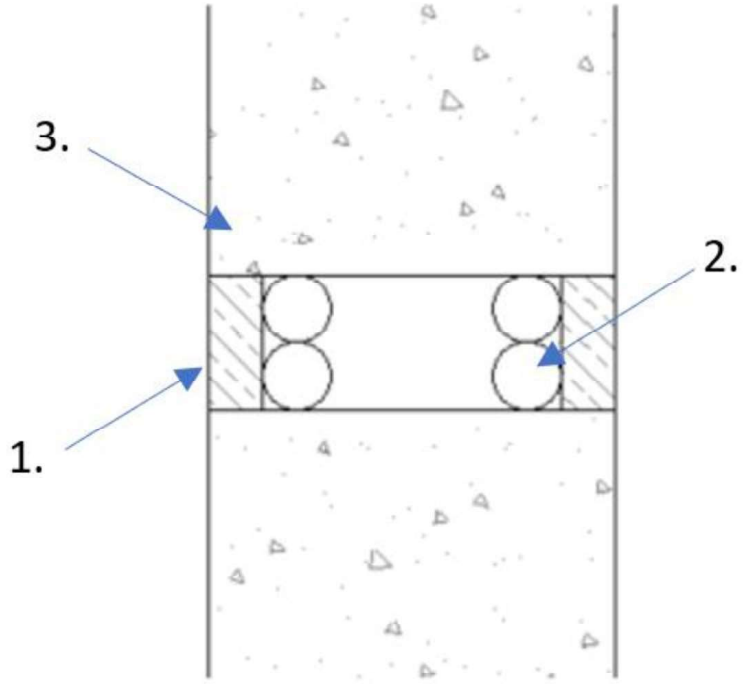

Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Wall

#### A.4.1.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 30 | Stone wool or ceramic wool (≥40mm ≥45kg/m³) | **EI 240 – V – X – F – W 00 to W 60** |

### A.4.2 Double sided linear joint seal

| **Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 50 mm. | |
|---|---|
| Construction details:<br>  <br> | Key:<br>1. fischer FiAM Intumescent Acoustic Mastic Sealant<br>2. Backing Material<br>3. Rigid Wall |

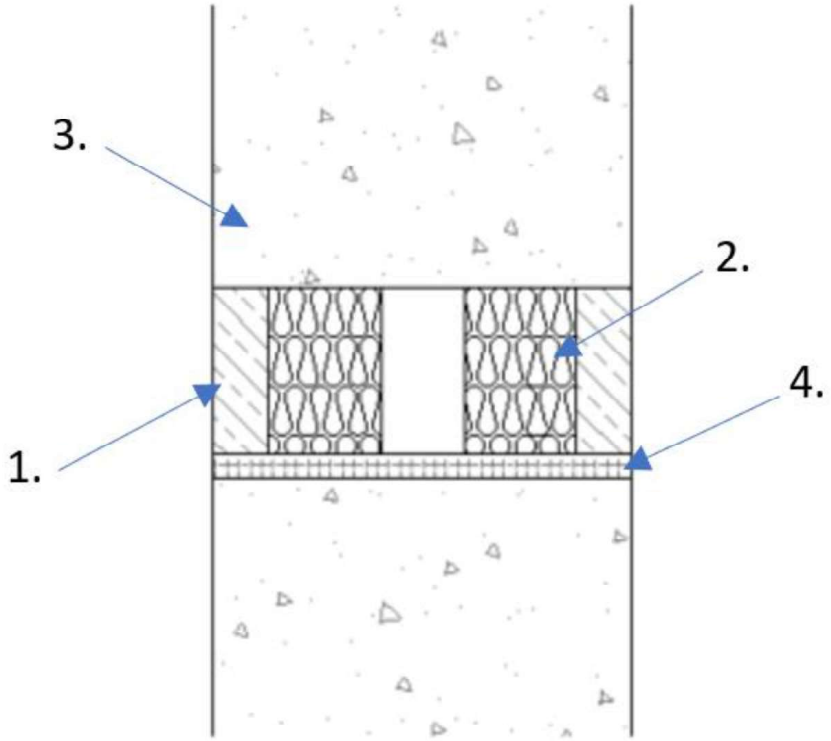
#### A.4.2.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **EI 240 – V – X – F – W 00 to W 50** |

### A.4.3 Double sided linear joint seal with steel faced wall

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 60 mm.

Construction details:



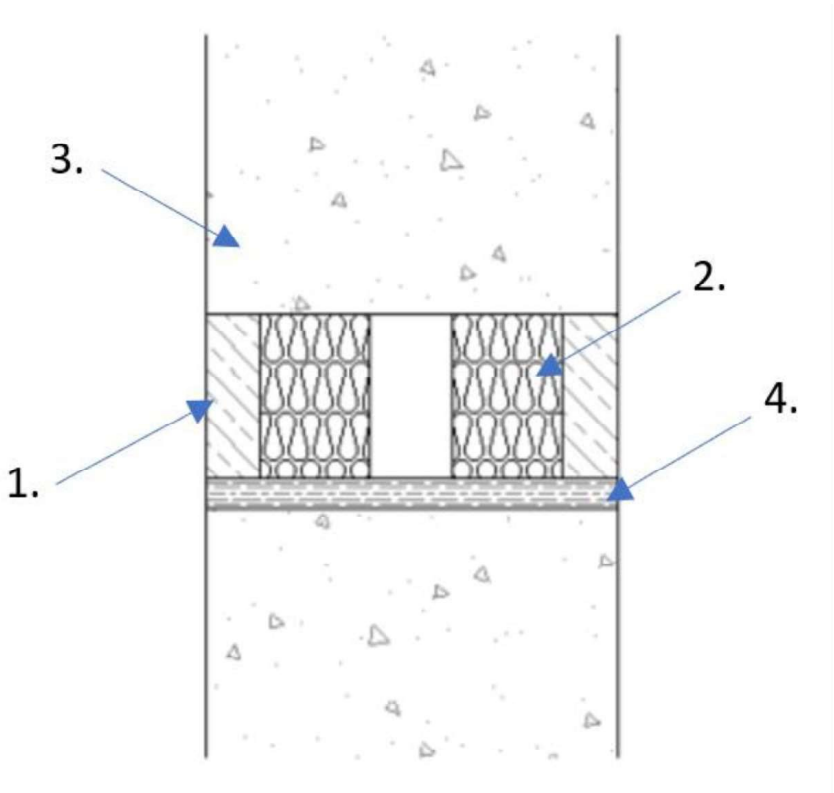

Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Wall
4. Steel

#### A.4.3.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / steel | 30 | Stone wool or ceramic wool (≥40mm ≥45kg/m³) | **E 240 – V – X – F – W 00 to W 60**<br>**EI 60 – V – X – F – W 00 to W 60** |

### A.4.4 Double sided linear joint seal with timber faced wall

| **Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 60 mm. | |
|---|---|
| Construction details:<br>  <br> | Key:<br>1. fischer FiAM Intumescent Acoustic Mastic Sealant<br>2. Backing Material<br>3. Rigid Wall<br>4. Timber |

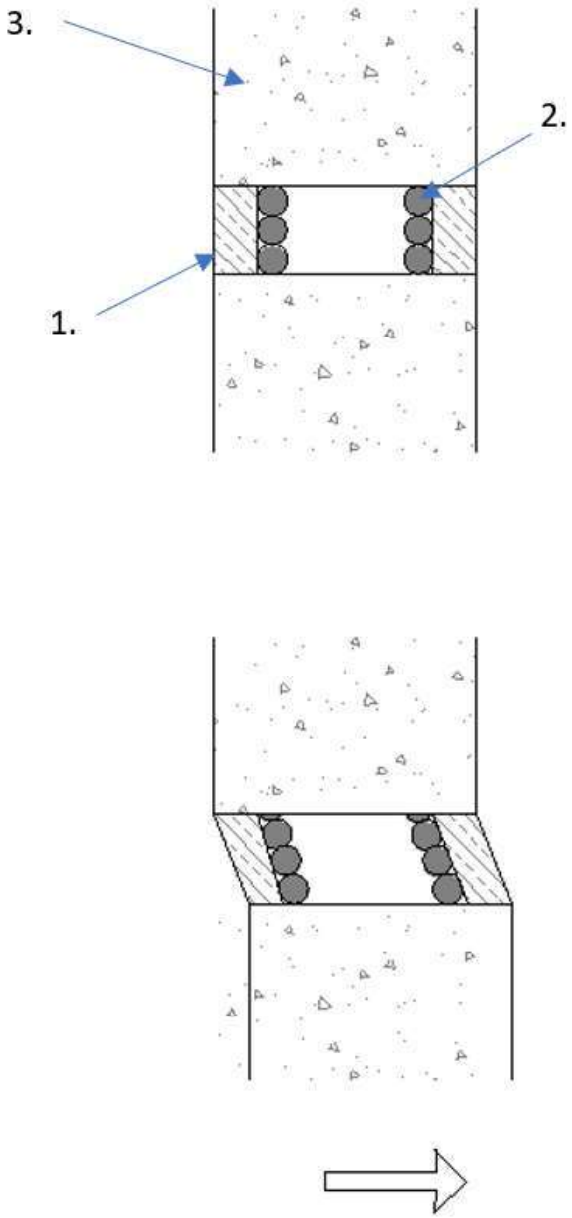
**A.4.4.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / timber | 30 | Stone wool or ceramic wool (≥40mm ≥45kg/m³) | **EI 60 – V – X – F – W 00 to W 60** |

### A.4.5 Double sided linear joint seal with movement

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 60 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Wall

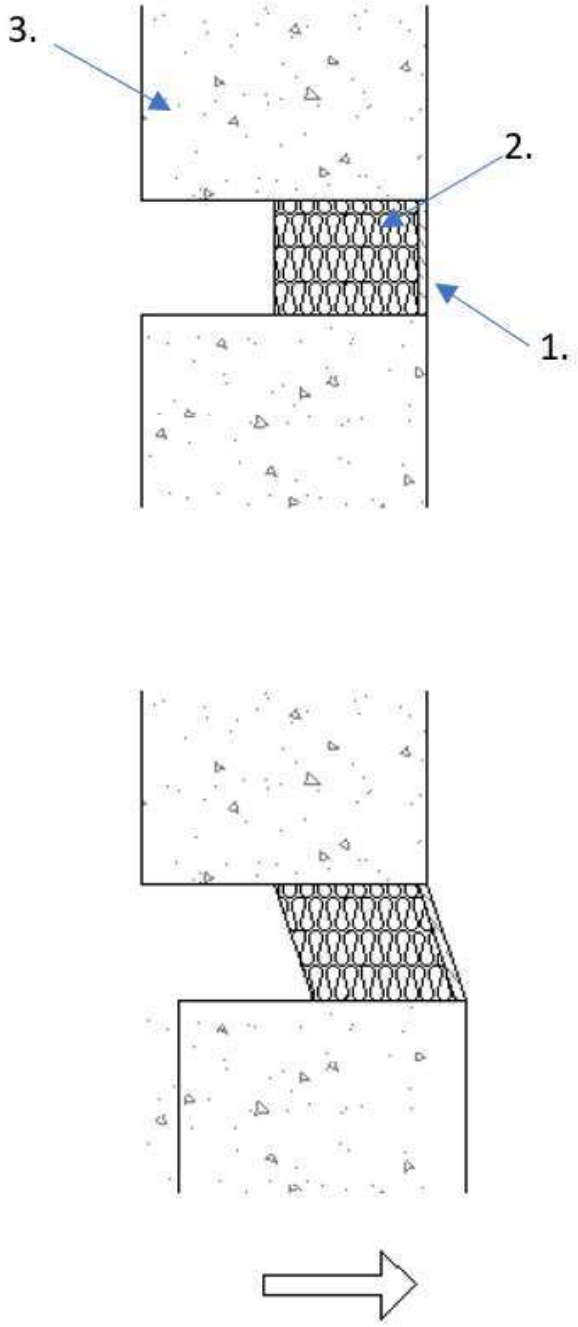
#### A.4.5.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 20 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – V – M 25 – F – W 00 to W 60**<br>**EI 120 – V – M 25 – F – W 00 to W 60** |

### A.4.6 Single sided linear joint seal with movement

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant either side of the wall, joint widths up to 60 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall

**A.4.6.1**

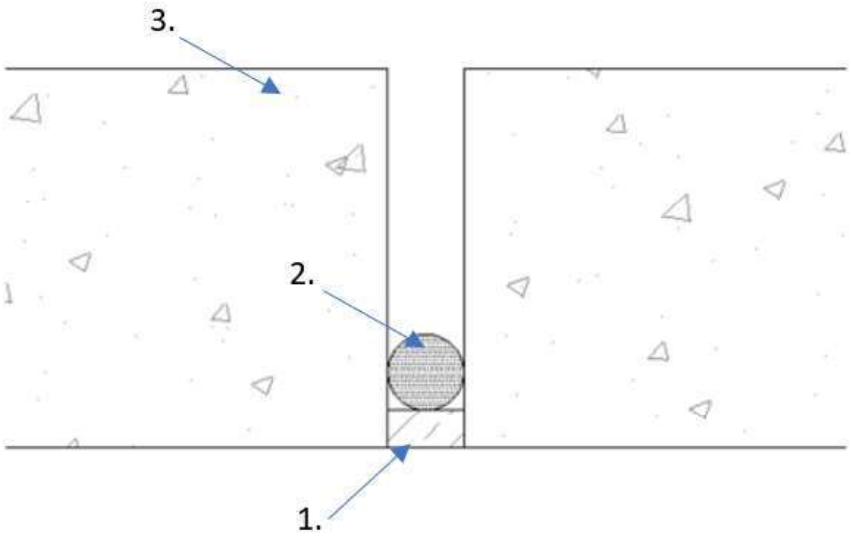
| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 5 | Stone wool or ceramic wool (≥75mm ≥60kg/m³, compressed to 60%) | **E 240 – V – M 25 – F – W 00 to W 60**<br>**EI 120 – V – M 25 – F – W 00 to W 60** |

## A.5 Rigid floor constructions with floor depth of minimum 150 mm

### A.5.1 Single sided linear joint seal in floor from underside

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant flush to the underside of the floor, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor

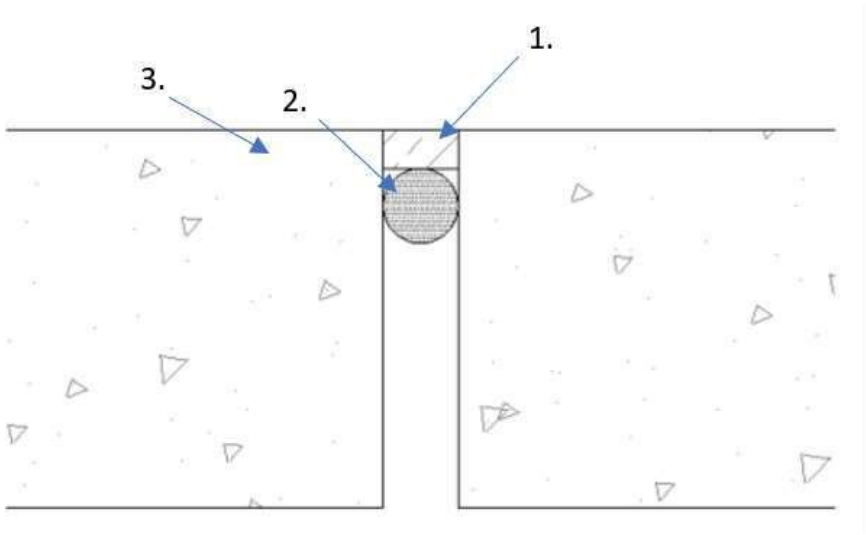
**A.5.1.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – H – X – F – W 00 to W 50**<br>**EI 90 – H – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 240 – H – X – F – W 00 to W 50**<br>**EI 45 – H – X – F – W 00 to W 50** |

### A.5.2 Single sided linear joint seal in floor from top side

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant flush to the top side of the floor, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor

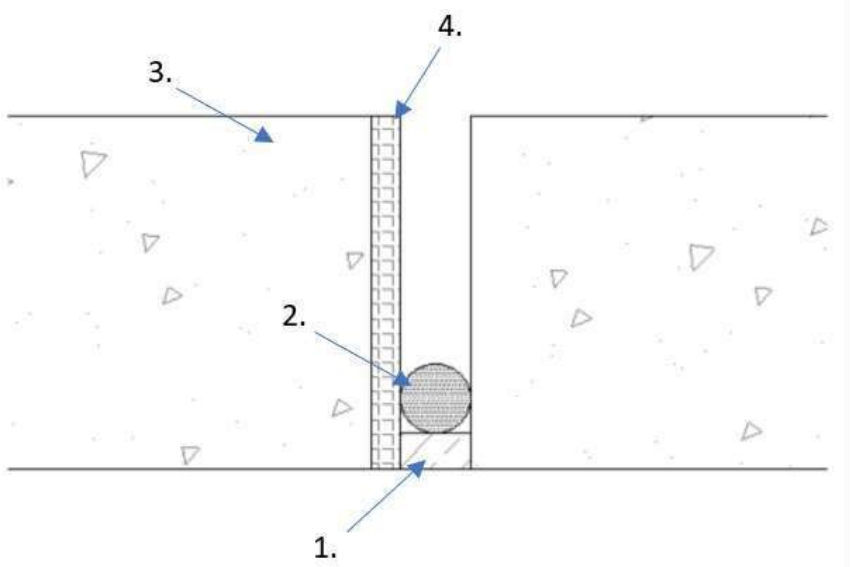
**A.5.2.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – H – X – F – W 00 to W 50**<br>**EI 90 – H – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 240 – H – X – F – W 00 to W 50**<br>**EI 45 – H – X – F – W 00 to W 50** |

### A.5.3 Single sided linear joint seal in steel faced floor from underside

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant flush to the underside of the floor, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor
4. Steel

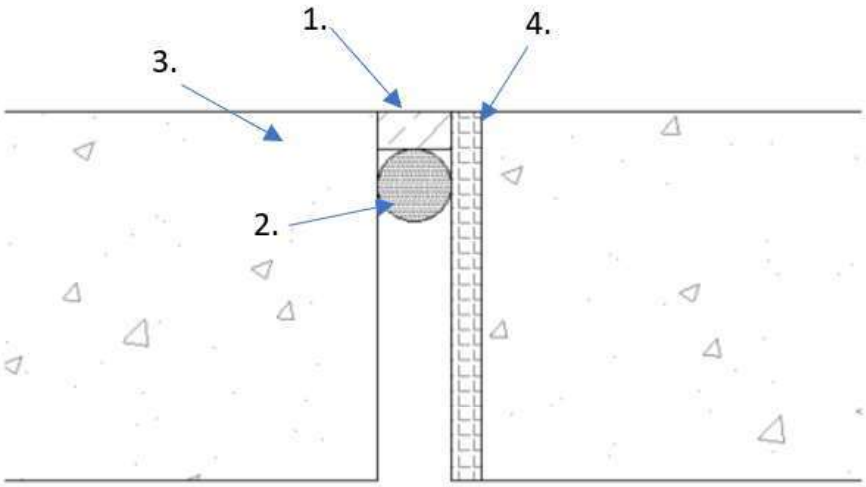
**A.5.3.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / steel | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – H – X – F – W 00 to W 50**<br>**EI 90 – H – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 120 – H – X – F – W 00 to W 50**<br>**EI 30 – H – X – F – W 00 to W 50** |

### A.5.4 Single sided linear joint seal in steel faced floor from top side

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant flush to the top side of the floor, joint widths up to 50 mm.

Construction details:



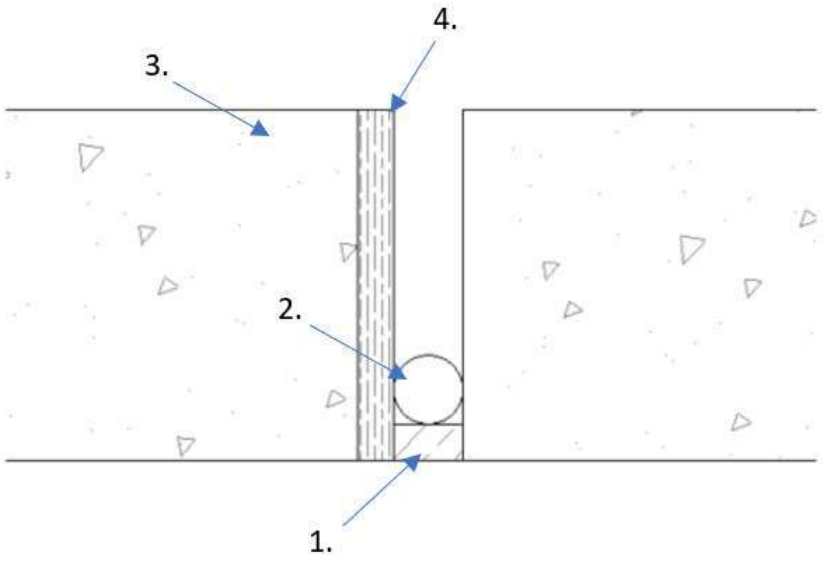

Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor
4. Steel

**A.5.4.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / steel | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – H – X – F – W 00 to W 50**<br>**EI 90 – H – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 120 – H – X – F – W 00 to W 50**<br>**EI 30 – H – X – F – W 00 to W 50** |

### A.5.5 Single sided linear joint seal in timber faced floor from underside

| **Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant flush to the underside of the floor, joint widths up to 50 mm. | |
|---|---|
| Construction details:<br>  <br> | Key:<br>1. fischer FiAM Intumescent Acoustic Mastic Sealant<br>2. Backing Material<br>3. Rigid Floor<br>4. Timber |

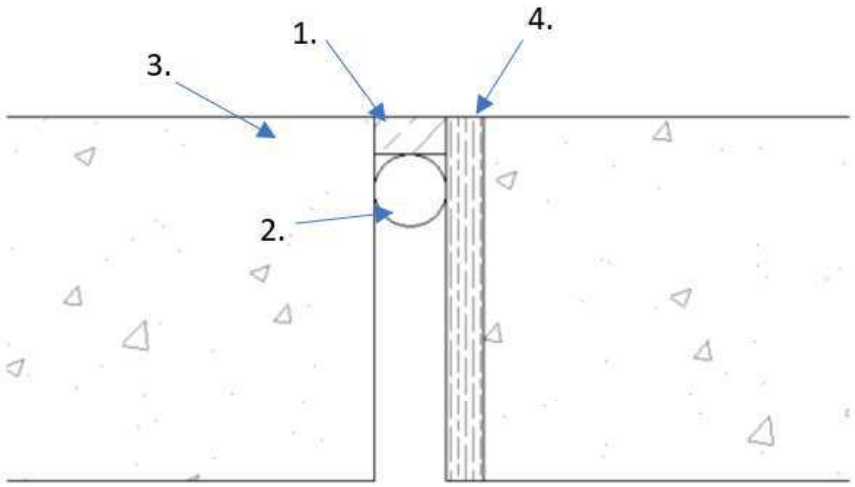
#### A.5.5.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / timber | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **EI 45 – H – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **EI 30 – H – X – F – W 00 to W 50** |

### A.5.6 Single sided linear joint seal in timber faced floor from top side

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant flush to the top side of the floor, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor
4. Timber

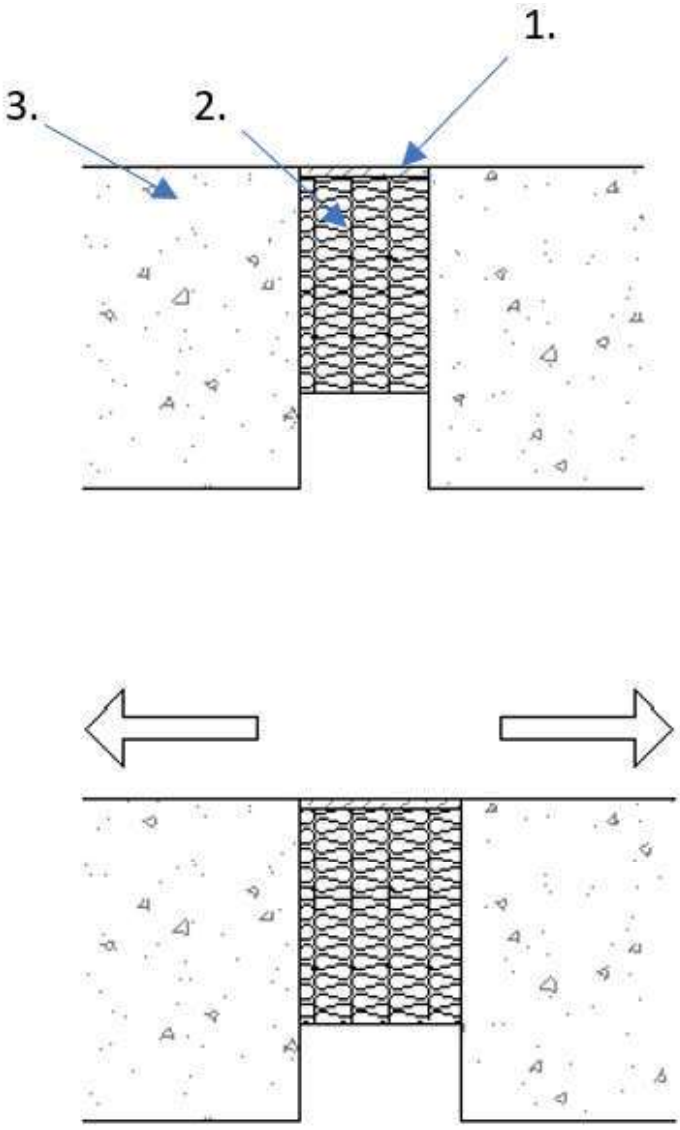
**A.5.6.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / timber | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **EI 45 – H – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **EI 30 – H – X – F – W 00 to W 50** |

### A.5.7 Single sided linear joint seal in floor from top side with movement

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant flush to the top side of the floor, joint widths up to 60 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor

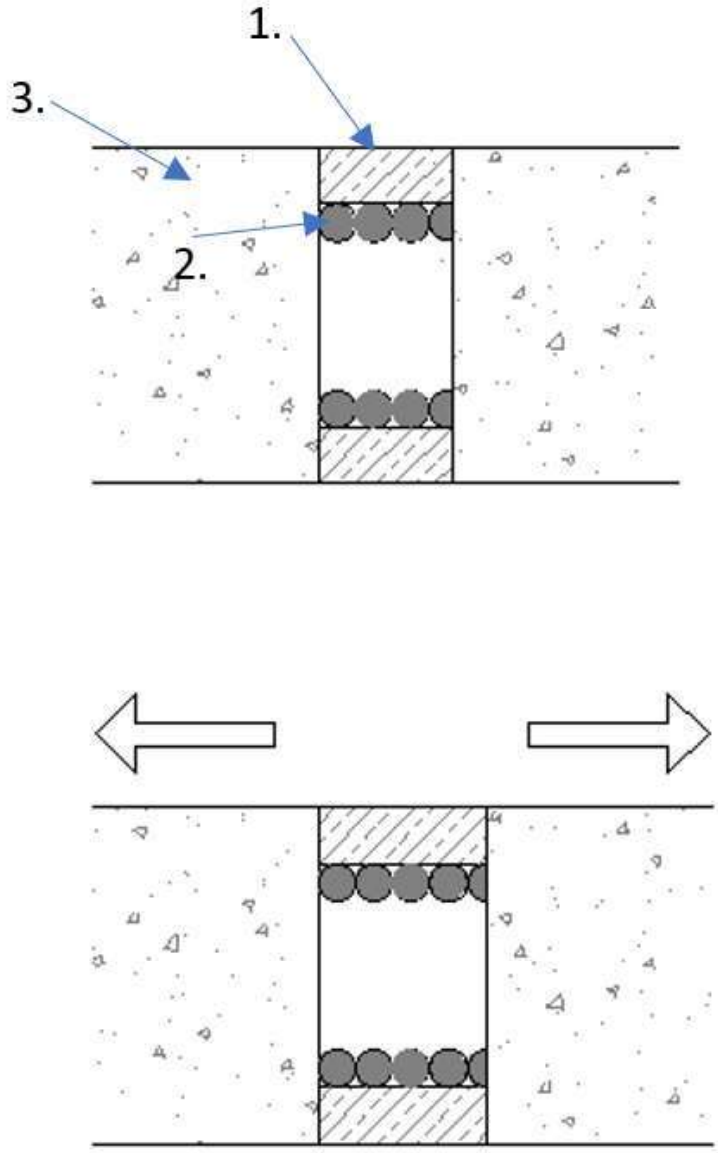
**A.5.7.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 5 | Stone wool or ceramic wool (≥100mm ≥60kg/m³, compressed to 60%) | **EI 240 – H – M 25 – F – W 00 to W 60** |

### A.5.8 Double sided linear joint seal in floor with movement

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the floor, joint widths up to 60 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor

**A.5.8.1**

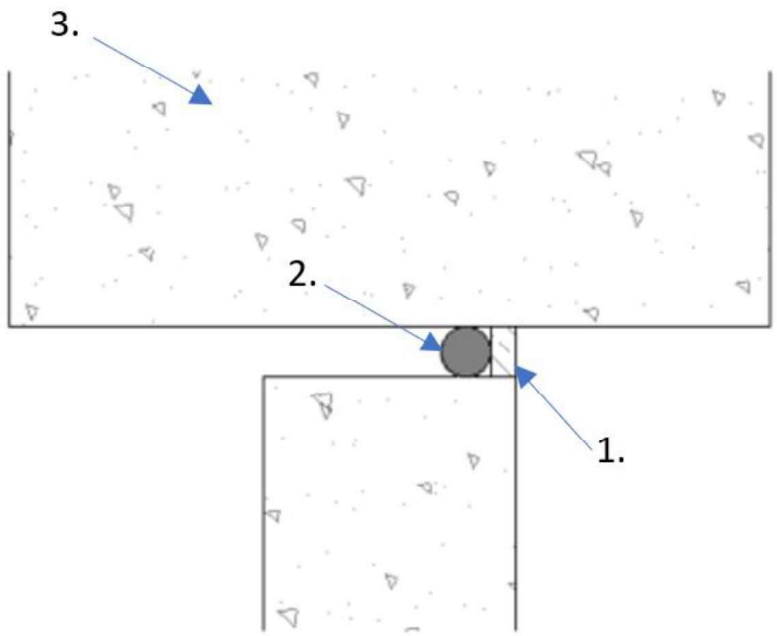
| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 20 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – H – M 17 – F – W 00 to W 60**<br>**EI 60 – H – M 17 – F – W 00 to W 60** |

## A.6 Head of wall with thickness of minimum 150 mm

### A.6.1 Single sided head of wall joint in floor

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to either side of the wall, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Floor

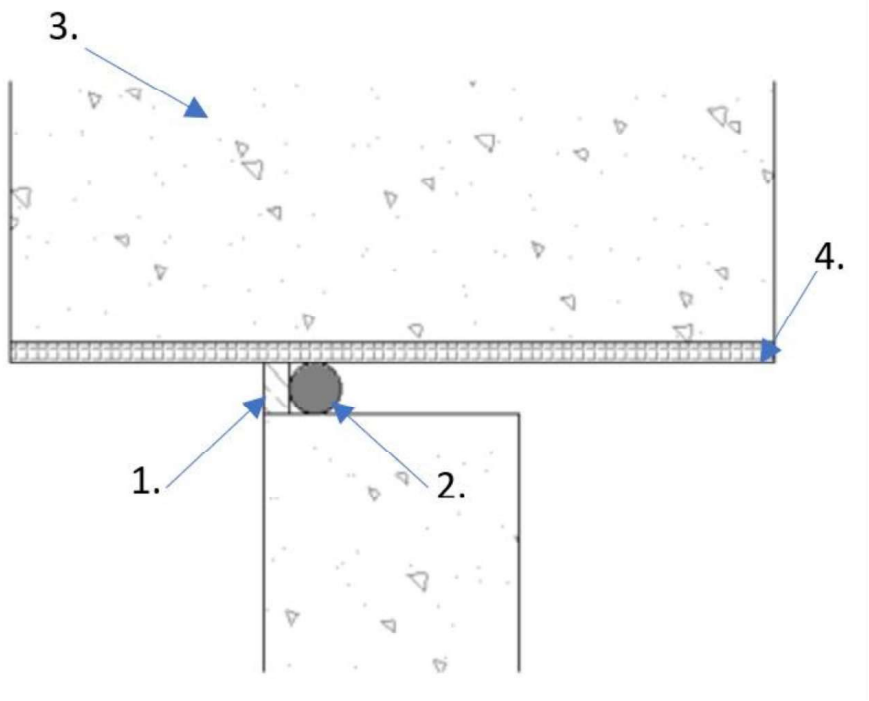
#### A.6.1.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – T – X – F – W 00 to W 50**<br>**EI 90 – T – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 240 – T – X – F – W 00 to W 50**<br>**EI 45 – T – X – F – W 00 to W 50** |

### A.6.2 Single sided head of wall joint with steel face

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to either side of the wall, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Floor
4. Steel

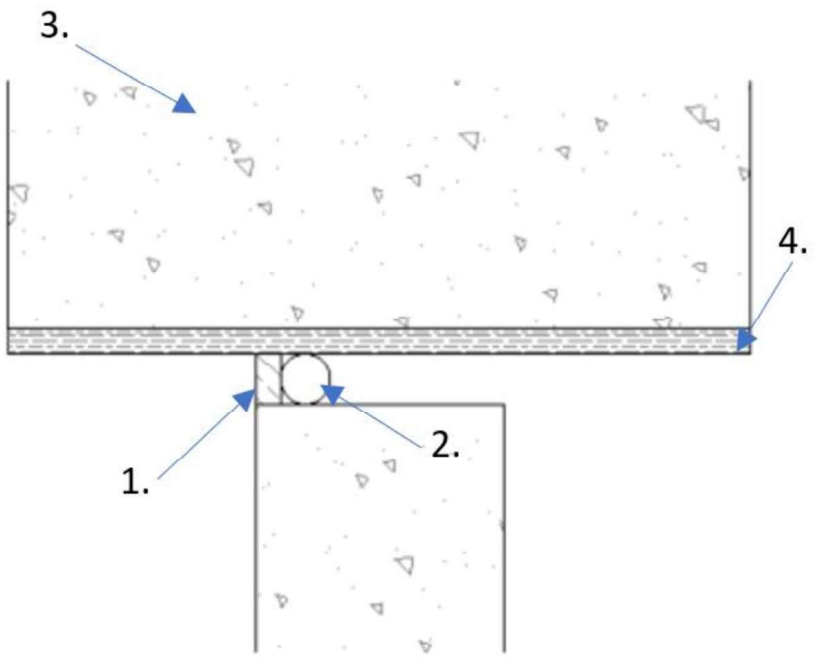
### A.6.2.1

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / steel | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – T – X – F – W 00 to W 50**<br>**EI 90 – T – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **E 240 – T – X – F – W 00 to W 50**<br>**EI 30 – T – X – F – W 00 to W 50** |

### A.6.3 Single sided head of wall joint with timber face

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to either side of the wall, joint widths up to 50 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Floor
4. Timber

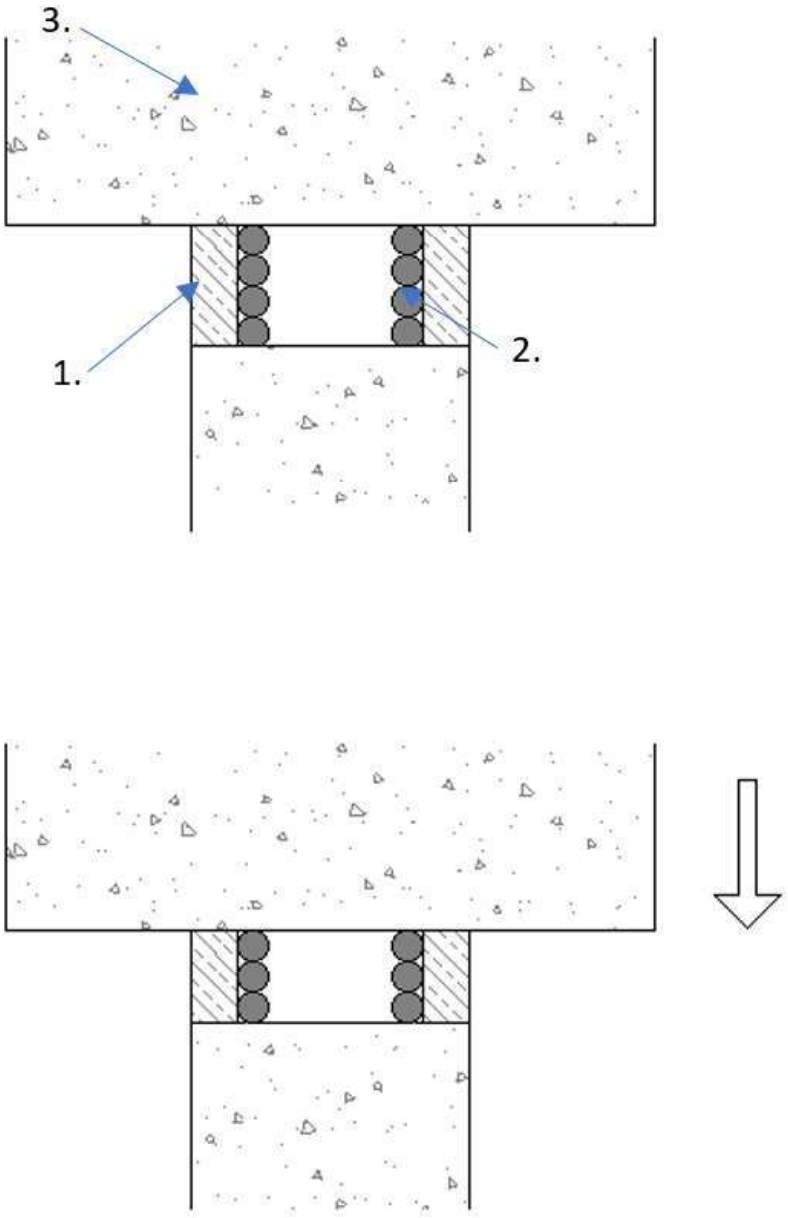
**A.6.3.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete or masonry / timber | 25 | PE backing rod, glass wool, stone wool or ceramic wool | **EI 45 – T – X – F – W 00 to W 50** |
| | 2:1 ratio (width:depth) & Min. 10 | | **EI 30 – T – X – F – W 00 to W 50** |

### A.6.4 Double sided head of wall joint with movement

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 60 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor

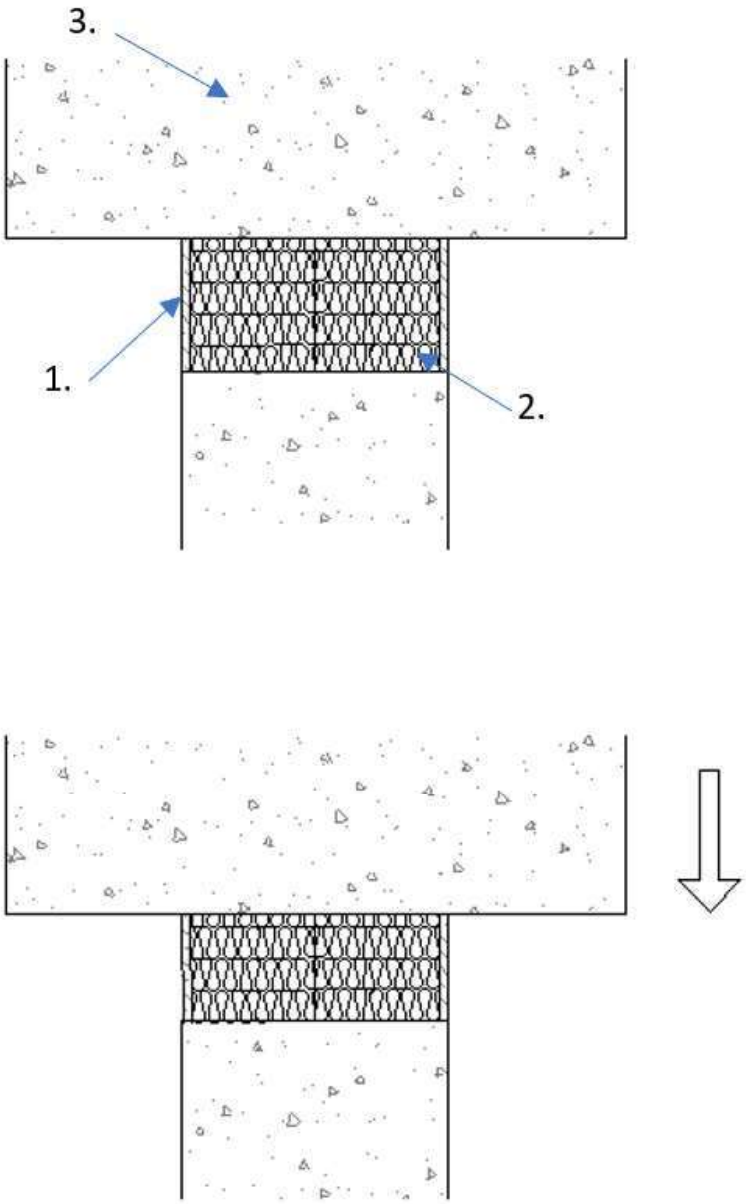
**A.6.4.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 20 | PE backing rod, glass wool, stone wool or ceramic wool | **E 240 – T – M 17 – F – W 00 to W 60**<br>**EI 60 – T – M 17 – F – W 00 to W 60** |

### A.6.5 Double sided head of wall joint with movement

**Joint Seal:** fischer FiAM Intumescent Acoustic Mastic sealant to both sides of the wall, joint widths up to 60 mm.

Construction details:




Key:

1. fischer FiAM Intumescent Acoustic Mastic Sealant
2. Backing Material
3. Rigid Floor

**A.6.5.1**

| Substrate | Depth (mm) | Backing Material | Classification |
|---|---|---|---|
| Concrete / masonry | 5 | Stone wool or ceramic wool (≥70mm (x2) ≥60kg/m³, compressed to 60%) | **EI 240 – T – M 25 – F – W 00 to W 60** |

# ANNEX B – Air Permeability - fischer FiAM Intumescent Acoustic Mastic

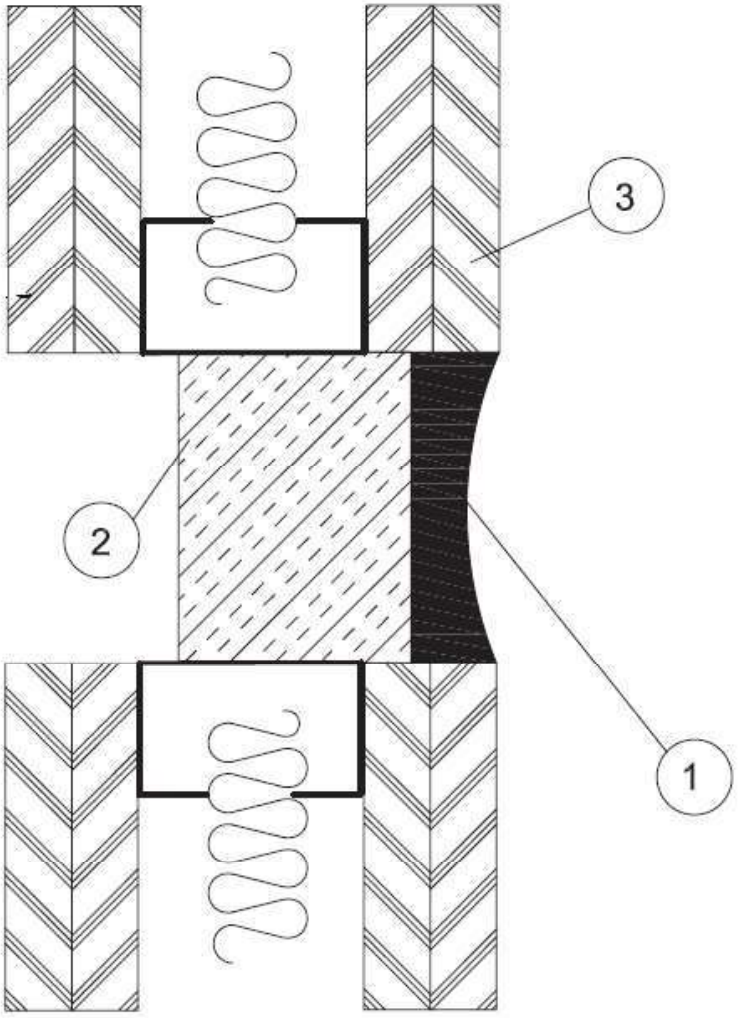
| Product tested | 25 mm thick x 30 mm wide fischer FiAM Intumescent Acoustic Mastic intumescent sealant | | |
|---|---|---|---|
| Summary of testing procedure | | | Result |
| | Pressure (Pa) | Leakage ($m^3/h$) | Leakage ($m^3/m^2/h$) |
| Results under negative chamber pressure | 50 | 0.0 | 0.0 |
| | 100 | 0.0 | 0.0 |
| | 150 | 0.1 | 2.8 |
| | 200 | 0.1 | 2.8 |
| | 250 | 0.1 | 2.8 |
| | 300 | 0.0 | 0.0 |
| | 450 | 0.1 | 2.8 |
| | 600 | 0.1 | 2.8 |
| Results under positive chamber pressure | 50 | 0.0 | 0.0 |
| | 100 | 0.0 | 0.0 |
| | 150 | 0.0 | 0.0 |
| | 200 | 0.0 | 0.0 |
| | 250 | 0.0 | 0.0 |
| | 300 | 0.0 | 0.0 |
| | 450 | 0.1 | 2.8 |
| | 600 | 0.1 | 2.8 |

# ANNEX C – Airborne Sound Insulation - fischer FiAM Intumescent Acoustic Mastic

**C.1 fischer FiAM Intumescent Acoustic Mastic sealant at 15 mm deep in the following configuration**

FiAM MASTIC SEALANT TESTED TO EN 10140-2:2010
THROUGH A FLEXIBLE CONSTRUCTION

| ACOUSTIC TEST RESULTS | |
|---|---|
| Partition & Sealant Result | 63 Rw dB |
| Sealant Result | 51 Rw dB |
| Sealant Result | 61 Dnew dB |



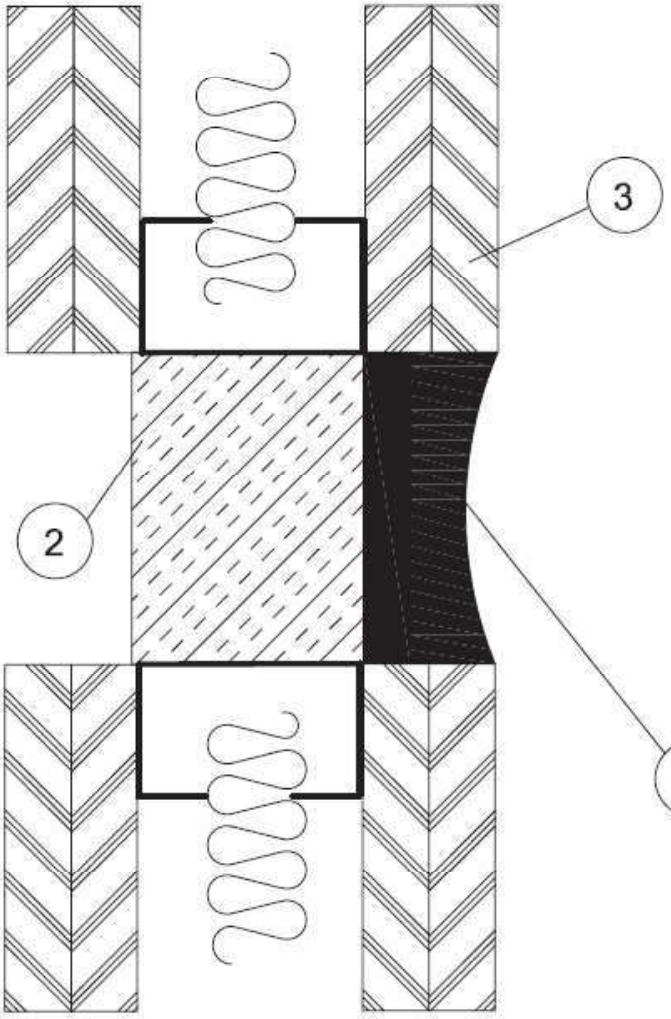

1 - FiAM MASTIC SEALANT TO ONE SIDE OF WALL 15mm DEPTH
2 - 55mm DEPTH STONE WOOL 60kg DENSITY
3 - CONSTRUCTING ELEMENT RATED TO 65 dB

| **BWR 5 Protection against noise** | | |
|---|---|---|
| Assessment method | Essential characteristic | Product performance |
| EN 10140-1,2,4,5/ EN ISO 717-1 | Airborne sound insulation | Rw (C;Ctr)= 63(-1;-7) |

**C.2 fischer FiAM Intumescent Acoustic Mastic sealant at 25 mm deep in the following configuration**

FiAM MASTIC SEALANT TESTED TO EN 10140-2:2010
THROUGH A FLEXIBLE CONSTRUCTION

| ACOUSTIC TEST RESULTS | |
|---|---|
| Partition & Sealant Result | 63 Rw dB |
| Sealant Result | 51 Rw dB |
| Sealant Result | 61 Dnew dB |




1 - FiAM MASTIC SEALANT TO ONE SIDE OF WALL 25mm DEPTH
2 - 55mm DEPTH STONE WOOL 60kg DENSITY
3 - CONSTRUCTING ELEMENT RATED TO 65 dB

| **BWR 5 Protection against noise** | | |
|---|---|---|
| Assessment method | Essential characteristic | Product performance |
| EN 10140-1,2,4,5/ EN ISO 717-1 | Airborne sound insulation | Rw (C;Ctr)= 63(-1;-7) |