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Authorised and notified according
to Article 29 of the Regulation (EU)
No 305/2011 of the European
Parliament and of the Council of 9
March 2011

MEMBER OF EOTA



European Technical Assessment ETA-23/0165 of 2024/01/04

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

fischer FiAM Plus

Product family to which the above construction product belongs:

Fire Stopping, Fire Sealing & Fire Protective Products.
Fire Retardant Products

Manufacturer:

fischerwerke GmbH & Co. KG
Klaus-Fischer-Str. 1
DE-72178 Waldachtal
Telephone: +49 7443 120
www.fischer-international.com

Manufacturing plant:

fischerwerke

This European Technical Assessment contains:

25 pages including 2 annexes which form an integral part of the document

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:

EAD 350141-00-1106 Fire Stopping and Fire Sealing Products, Linear Joint and Gap Seals

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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/m³.

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/m³.

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

3.2 Safety in case of fire (BWR 2)

Reaction to fire

The product is classified as **D-s1, d0** in accordance with EN13501-1, and the EC Delegated regulation 2016/364/EU.

Resistance to fire

See Annex B

3.3 Hygiene, Health and the Environment (BWR 3)

Air permeability

Leakage rate per unit area of the seal: $Q < 0,10 \text{ m}^3/\text{hm}^2$

Water permeability

Clear opening [mm]	Result [Pa]
Ø 300	Watertight to 1.050 Pa
550x200	Watertight to 600 Pa
100x1000	Watertight to 600 Pa

Content, emission and/or release of dangerous Substances^{*)}

Release scenario	IA1: Product with direct contact to indoor air.	
	3 days [mg/m ³]	28 days [mg/m ³]
SVOC	0	0
VOC	0,005	0,005

3.4 Safety and accessibility in use (BWR4)

Mechanical resistance and stability

No performance assessed

Resistance to impact/movement

No performance assessed

Adhesion

Elastic recovery	19 %
Loss of volume	16.2 %
Flow of sealant	No performance assessed

Durability

Use category: **Type Y₂**

Movement capability

See Annex B

Cycling of perimeter seals for curtain wall

No performance assessed

Compression set

No performance assessed

Linear expansion on setting

No performance assessed

3.5 Protection against noise (BWR5)

Airborne sound insulation

$R_{s,w} (C; C_{tr}) = 55 (-2; -5) \text{ dB}$

3.6 Energy economy and heat retention (BWR6)

Thermal properties

No performance assessed

Water vapour permeability

No performance assessed

See additional information in section 3.7-3.8

*) 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.

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 Y₂ (intended for use at temperatures below 0°C, but with 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 Y₂ also meet the requirement for type Z₁ and Z₂.

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.

Issued in Copenhagen on 2024-01-04 by



Thomas Bruun
Managing Director, ETA-Danmark

Annex A

References

A.1 References to standards mentioned in the ETA:

EN 1366-4:2021	Fire resistance tests for service installations - Part 4: Linear joint seals
EN 13501-1:2018	Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests.
EN 13501-2:2016	Fire classification of construction products and building elements – Part 2: Classification using test data from fire resistance tests

A.2 Other reference documents:

EAD 350141-00-1106	European Assessment Document: Fire Stopping and Fire Sealing Products, Linear Joint and Gap Seals, September 2017
EOTA TR 024	EOTA Technical Report: Technical description and assessment of reactive products effective in case of fire, Edition November 2006, Amended August 2019
Council Directive 67/548/EEC	Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

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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

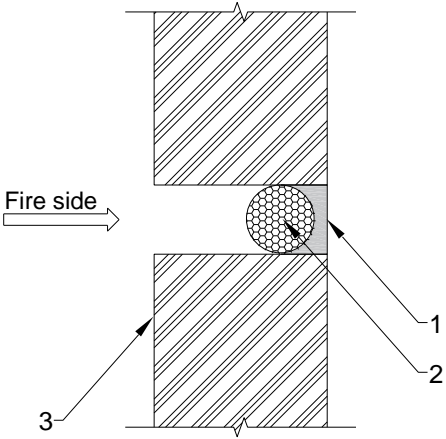
Joint Seal: fischer FiAM Plus sealant to one side of the wall, backed with backer rod or stone wool, installed flush with surface of wall, wall thickness ≥ 115 mm, with movement capability	
<p>Construction details:</p>  <p style="font-size: small;">Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: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

Table B.1.1.1

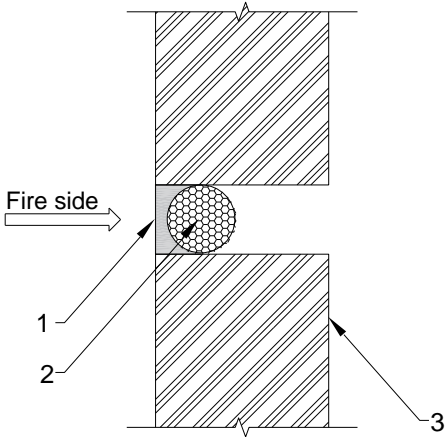
Substrate	Seal thickness	Movement capability	Backing material	Classification
Rigid wall ($\rho \geq 650$ kg/m ³)	≥ 10 mm	± 12.5 %	PE backer rod	E 240–V–M12.5–F W 0 to W 20 EI 45–V–M12.5–F W 0 to W 20
	≥ 20 mm			E 240–V–M12.5–F W 0 to W 50 EI 60–V–M12.5–F W 0 to W 50

fischer FiAM Plus	Annex B.1.1.1
Single sided wall joint seal, unexposed side	of European Technical Assessment ETA-23/0165

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 ≥ 115 mm, with movement capability

Construction details:



Key:

1. FiAM Plus
2. Backing material
3. Wall

Figure not to scale

Table B.1.1.2

Substrate	Seal thickness	Movement capability	Backing material	Classification
Rigid wall ($\rho \geq 650$ kg/m ³)	≥ 10 mm	± 12.5 %	PE backer rod	E 240-V-M12.5-F-W 0 to W 20 EI 30-V-M12.5-F-W 0 to W 20
	≥ 20 mm			E 240-V-M12.5-F-W 0 to W 50 EI 45-V-M12.5-F-W 0 to W 50

fischer FiAM Plus	Annex B.1.1.2 of European Technical Assessment ETA-23/0165
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

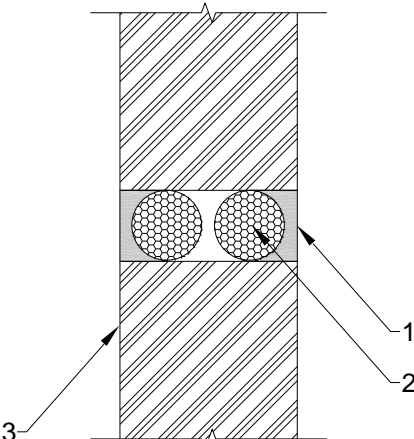
Joint Seal: fischer FiAM Plus sealant to both sides of the wall, backed with backer rod or stone wool, installed flush with surface of wall, rigid wall thickness ≥ 124 mm, with movement capability	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Wall

Table B.2.1.1

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

fischer FiAM Plus	Annex B.2.1.1 of European Technical Assessment ETA-23/0165
Double sided wall joint seal	

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

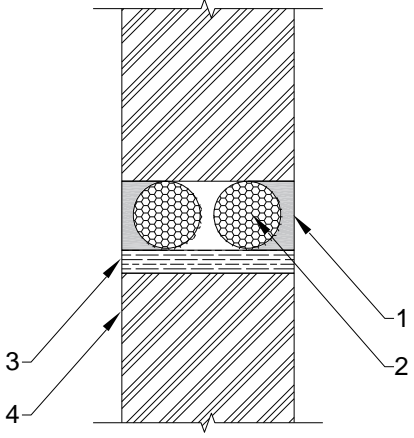
<p>Joint Seal: fischer FiAM Plus sealant to both sides of the wall, backed with backer rod or stone wool, installed flush with surface of wall, rigid wall thickness ≥ 124 mm</p>	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Timber 4. Wall

Table B.2.1.2

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

fischer FiAM Plus	<p>Annex B.2.1.2 of European Technical Assessment ETA-23/0165</p>
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:

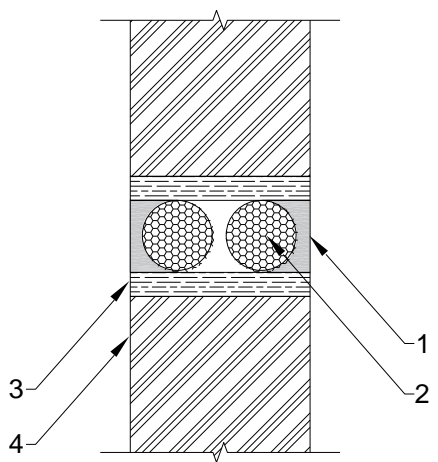


Figure not to scale

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 of European Technical Assessment ETA-23/0165
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

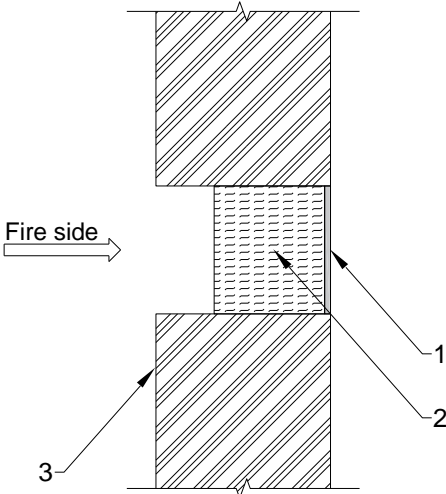
<p>Joint Seal: fischer FiAM Plus sealant to one side of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness ≥ 124 mm, with movement capability</p>	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM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

Table B.2.2.1

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

fischer FiAM Plus	Annex B.2.2.1 of European Technical Assessment ETA-23/0165
Single sided wall joint seal, unexposed side	

B.2.2.2 Single sided wall joint seal, exposed side

<p>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 ≥ 124 mm, with movement capability</p>	
<p>Construction details:</p> <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Wall

Table B.2.2.2

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

fischer FiAM Plus	<p>Annex B.2.2.2 of European Technical Assessment ETA-23/0165</p>
Single sided wall joint seal, exposed side	

B.2.2.3 Double sided wall joint seal

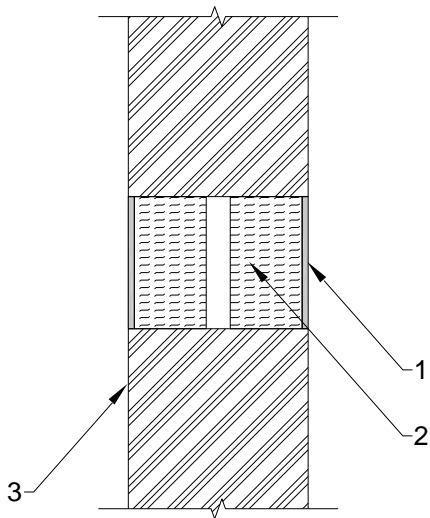
<p>Joint Seal: fischer FiAM Plus sealant to both sides of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness ≥ 124 mm, with movement capability</p>	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM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

Table B.2.2.3

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

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

fischer FiAM Plus	Annex B.2.2.3 of European Technical Assessment ETA-23/0165
Double sided wall joint seal	

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

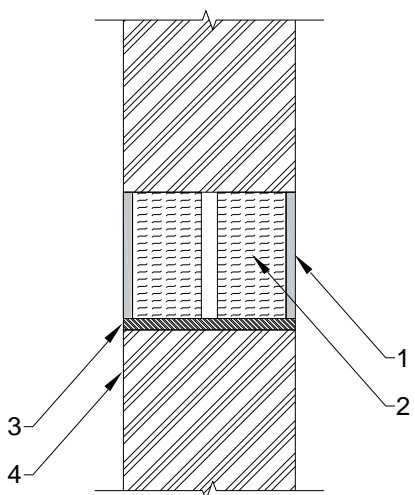
<p>Joint Seal: fischer FiAM Plus sealant to both sides of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness ≥ 124 mm</p>	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Steel 4. Wall

Table B.2.2.4

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

* ≥ 5 mm air gap between layers of insulation

fischer FiAM Plus	<p>Annex B.2.2.4 of European Technical Assessment ETA-23/0165</p>
Double sided wall joint seal, steel one side	

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

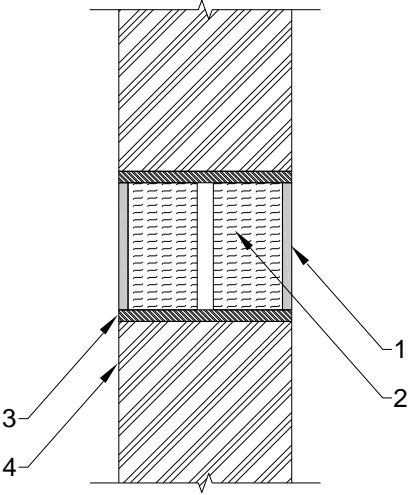
<p>Joint Seal: fischer FiAM Plus sealant to both sides of the wall, backed with stone wool, installed flush with surface of wall, rigid wall thickness ≥ 124 mm</p>	
<p>Construction details:</p>  <p style="font-size: small;">Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Steel 4. Wall

Table B.2.2.5

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

* ≥ 5 mm air gap between layers of insulation

fischer FiAM Plus	<p>Annex B.2.2.5 of European Technical Assessment ETA-23/0165</p>
Double sided wall joint seal, steel double side	

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

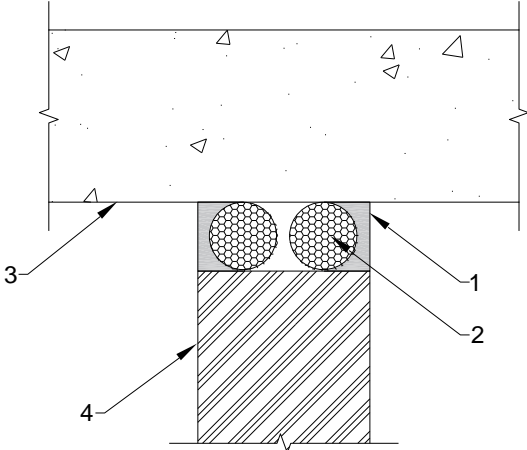
<p>Joint Seal: fischer FiAM Plus sealant to both sides of the wall as head of wall joint, backed with backer rod or stone wool wool, installed flush with surface of wall, rigid wall thickness ≥ 115 mm, with movement capability</p>	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 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 ($\rho \geq 650 \text{ kg/m}^3$) / Rigid wall ($\rho \geq 650 \text{ kg/m}^3$)	$\geq 10 \text{ mm}$	$\pm 25 \%$	PE backer rod	E 240-T-M25-F-W 0 to W 60 EI 180-T-M25-F-W 0 to W 60

fischer FiAM Plus	Annex B.3.1.1 of European Technical Assessment ETA-23/0165
Double sided head of wall joint seal	

B.3.2 Stone wool systems

B.3.2.1 Double sided head of wall joint seal

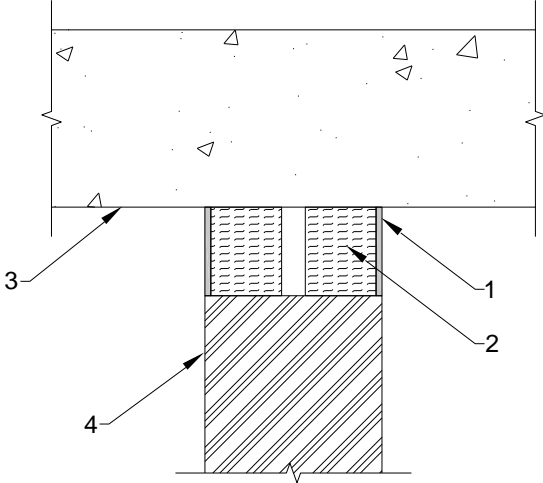
<p>Joint Seal: fischer FiAM Plus sealant to both sides of the wall as head of wall joint, backed with stone wool, installed flush with surface of wall, wall thickness ≥ 115 mm, with movement capability</p>	
<p>Construction details:</p> 	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing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

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

fischer FiAM Plus	Annex B.3.2.1 of European Technical Assessment ETA-23/0165
Double sided head of wall joint seal	

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

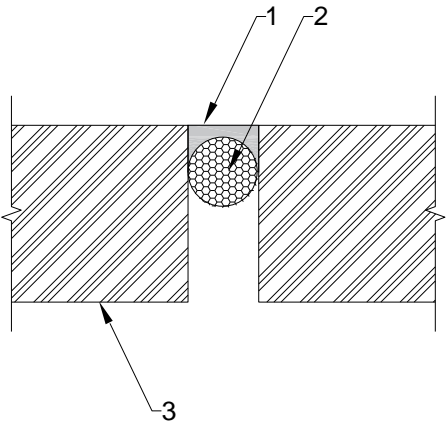
Joint Seal: fischer FiAM Plus sealant to upper side of floor, backed with backer rod or stone wool, installed flush with surface of floor, floor thickness ≥ 150 mm, with movement capability	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM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

Table B.4.1.1

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

fischer FiAM Plus	Annex B.4.1.1 of European Technical Assessment ETA-23/0165
Single sided floor joint seal	

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

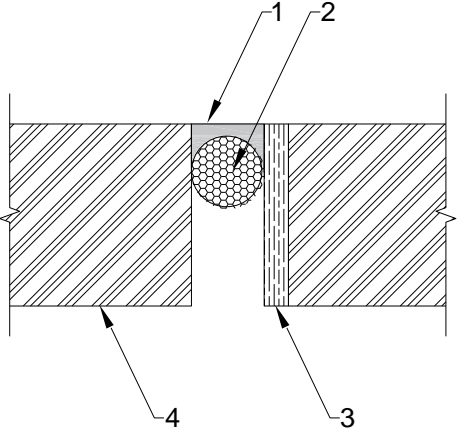
<p>Joint Seal: fischer FiAM Plus sealant to upper side of floor, backed with PE backer rod or stone wool, installed flush with surface of floor, floor thickness ≥ 150 mm</p>	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Timber 4. Floor

Table B.4.1.2

Substrate	Seal thickness	Backing material	Classification
Rigid floor ($\rho \geq 650$ kg/m ³) / timber	≥ 12.5 mm	PE backer rod	EI 60-H-X-F-W 0 to W 50

fischer FiAM Plus	<p>Annex B.4.1.2 of European Technical Assessment ETA-23/0165</p>
Single sided floor joint seal, timber one side	

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

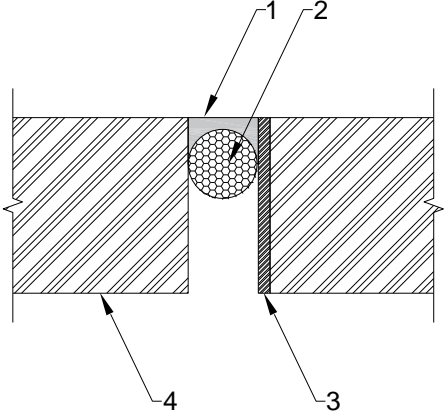
<p>Joint Seal: fischer FiAM Plus sealant to upper side of floor, backed with backer rod or stone wool, installed flush with surface of floor, floor thickness ≥ 150 mm</p>	
<p>Construction details:</p> 	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Steel 4. Floor
<p>Figure not to scale</p>	

Table B.4.1.3

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

fischer FiAM Plus	<p>Annex B.4.1.3 of European Technical Assessment ETA-23/0165</p>
Single sided floor joint seal, steel one side	

B.4.2 Backer rod systems

B.4.2.1 Single sided floor joint seal

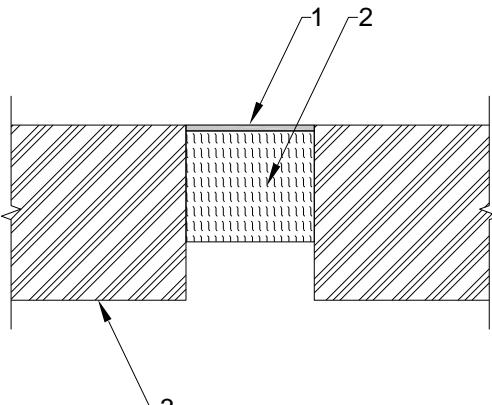
<p>Joint Seal: fischer FiAM Plus sealant to upper side of floor, backed with stone wool, installed flush with surface of floor, floor thickness ≥ 150 mm, with movement capability</p>	
<p>Construction details:</p>  <p>Figure not to scale</p>	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus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

Table B.4.2.1

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

fischer FiAM Plus	Annex B.4.2.1 of European Technical Assessment ETA-23/0165
Single sided floor joint seal	

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

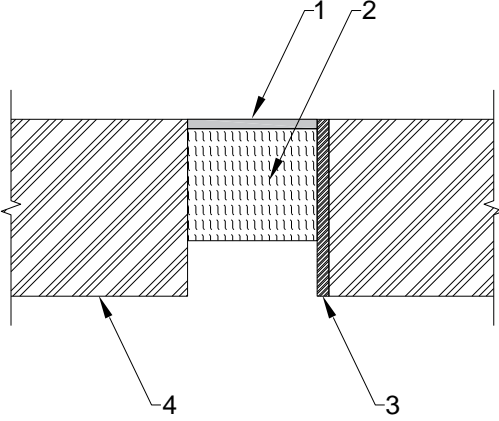
<p>Joint Seal: fischer FiAM Plus sealant to upper side of floor, backed with stone wool, installed flush with surface of floor, floor thickness ≥ 150 mm</p>	
<p>Construction details:</p> 	<p>Key:</p> <ol style="list-style-type: none"> 1. FiAM Plus 2. Backing material 3. Steel 4. Floor
<p>Figure not to scale</p>	

Table B.4.2.2

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

fischer FiAM Plus	<p>Annex B.4.2.2 of European Technical Assessment ETA-23/0165</p>
Single sided floor joint seal, steel one side	