BUILDING TRUST

# Sikaflex® AT Connection

## DECLARATION OF PERFORMANCE
## No. 22615774

| | | |
|---|---|---|
| **1** | **UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:** | 22615774 |
| **2** | **INTENDED USE/S** | ETA 17/0980<br>Fire stopping and sealing product, linear gap sealing systems when used in conjunction with Sika® Backer Rod Fire |
| **3** | **MANUFACTURER:** | Sika Services AG<br>Tüffenwies 16-22<br>8064 Zürich |
| **4** | **AUTHORISED REPRESENTATIVE:** | |
| **5** | **SYSTEM/S OF AVCP:** | System 1 |
| **6b** | **EUROPEAN ASSESSMENT DOCUMENT:** | ETAG 026, edition 2011 |
| | European Technical Assessment: | ETA 17/0980 |
| | Technical Assessment Body: | Exova (UK) Limited trading as Warrington Certification |
| | Notified body/ies: | 1121 |

## 7 DECLARED PERFORMANCE/S

| Essential Characteristics | Performance | AVCP | Harmonised Technical Specification |
|---|---|---|---|
| BWR 1 Mechanical resistance and stability : | | | |
| None | Not relevant | System 1 | |
| **BWR 2 Safety in case of fire :** | | | |
| Reaction to fire (EN 13501-1) | Sika® Backer Rod Fire - A1<br>Sikaflex® AT Connection | System 1 | |
| Resistance to fire (EN 13501-2) | Annex A | System 1 | |
| BWR 3 Hygiene, Health and the Environment : | | | |
| Air permeability (EN 1026:2000) | NPD | System 1 | |
| Water permeability | NPD | System 1 | |
| Release of dangerous substances | Use category IA1, S/W3<br>Declaration of manufacturer | System 1 | |
| BWR 4 Safety in use : | | | |
| Mechanical resistance and stability (EOTA TR 001:2003) | NPD | System 1 | |
| Resistance to impact/movement (EOTA TR 001:2003) | NPD | System 1 | ETAG 026 |
| Adhesion (EOTA TR 001:2003) | NPD | System 1 | |
| **BWR 5 Protection against noise :** | | | |
| Airborne sound insulation (EN 10140-2/ EN ISO 717-1) | NPD | System 1 | |
| **BWR 6 Energy, Economy and Heat Retention :** | | | |
| Thermal properties (EN 12664, EN 12667 or EN 12939) | NPD | System 1 | |
| Water vapour permeability (EN ISO 12572 EN12086) | NPD | System 1 | |
| **General aspects relating to fitness for use :** | | | |
| Durability and serviceability (EOTA TR 024:2009) | Z1 | System 1 | |
| **BWR 7 Sustainable use of natural resources :** | | | |
| | NPD | System 1 | |

## Annex A

**Resistance to Fire Classification of Sika® Backer Rod Fire linear gap sealing systems when used in conjunction with Sikaflex® AT Connection**

### Orientation

The field of application regarding the orientation of the linear joint is given in Table 1.

**Table 1**

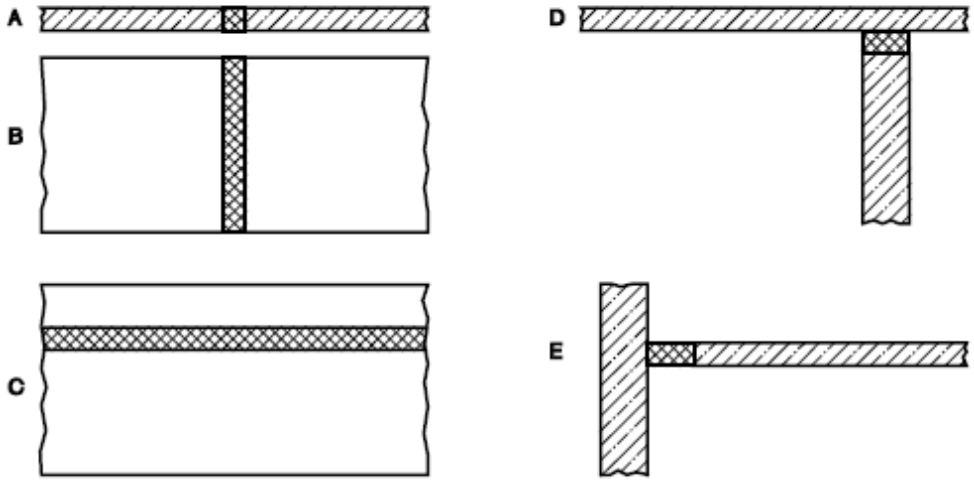
| Tested orientation | Application |
|---|---|
| A | A, D, E[a] |
| B | B |
| C | C, D[b] |

[a] Orientation E will only be covered by test orientation A if shear movement was chosen and one face of the joint was fixed and the other was moved.
[b] Orientation D will only be covered by test orientation C if shear movement was chosen and one face of the joint was fixed and the other face was moved.

**Key**

**A** linear joint in a horizontal test construction
**B** vertical linear joint in a vertical test construction
**C** horizontal linear joint in a vertical test construction
**D** horizontal wall joint abutting a floor, ceiling or roof
**E** horizontal floor joint abutting a wall

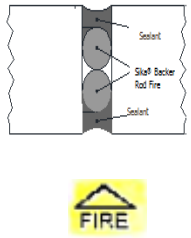
Table 1 only applies when both the supporting construction and the location of the seal within the linear joint remain unchanged.



### A.1.1 Rigid floor constructions according to 2.2.1 with floor thickness of minimum 150 mm

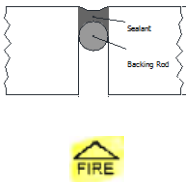
### A1.2 Linear joint or gap seal, horizontally orientated

### A.1.5 Sika® Backer Rod Fire (mm) in conjunction with Sikaflex® AT Connection Linear Joint Seals in Rigid Floors 150 mm thick (min.) Double Seal

| Seal Orientation (A&D) | Sika® Backer Rod Fire Dia | Sikaflex® AT Connection Depth (mm) | Substrates | Classification |
|---|---|---|---|---|
|  | 12 | Sealant depth =width x 0.8* | AAC-AAC | EI240 – H – X – F – W 7-10.2 |
| | 15 | | | EI240 – H – X – F – W 9-12.75 |
| | 20 | | | EI240 – H – X – F – W 12-17 |
| | 30 | | | EI240 – H – X – F – W 16-25.5 |
| | 40 | | | EI240 – H – X – F – W 24-34 |
| | 50 | | | EI240 – H – X – F – W 32-42.5 |
| | 60 | | | EI240 – H – X – F – W 39-51 |

*) Seals < 10.2mm 8mm of sealant should be applied

### A.1.6 Sika® Backer Rod Fire (mm) in conjunction with Sikaflex® AT Connection Linear Joint Seals in Rigid Floors 150 mm thick (min.) Single Seal

| Seal Orientation (A&D) | Sika® Backer RodFire Dia | Sikaflex® AT ConnectionDepth (mm) | Substrates | Classification |
|---|---|---|---|---|
|  | 12 | Sealant depth =width x 0.8* | AAC-AAC | EI240 – H – X – F – W 7-10.2 |
| | 15 | | | EI240 – H – X – F – W 9-12.75 |
| | 20 | | | EI240 – H – X – F – W 12-17 |
| | 30 | | | EI240 – H – X – F – W 16-25.5 |
| | 40 | | | EI240 – H – X – F – W 24-34 |
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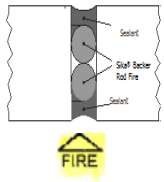
## A.2 Rigid wall constructions according to 2.2.1 with wall thickness of minimum 120 mm

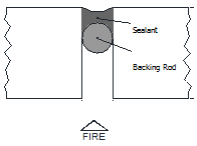
### A.2.1 Linear joint or gap seal, vertically orientated

### A.2.4 Sika® Backer Rod Fire (mm) in conjunction with Sikaflex® AT Connection Linear Joint Seals in Rigid Walls 120 mm thick (min.) –Double Seal

| Seal Orientation | Sika® Backer RodFire Dia | Sikaflex® AT ConnectionDepth (mm) | Substrates | Classification |
|---|---|---|---|---|
|  | 12 | Sealant depth = width x 0.5* (2:1) | AAC-AAC | **EI240 – V – X – F – W 6-10.2** |
| | 15 | | | **EI240 – V – X – F – W 9-12.75** |
| | 20 | | | **EI240 – V – X – F – W 12-17** |
| | 30 | | | **EI240 – V – X – F – W 16-25.5** |
| | 40 | | | **EI240 – V – X – F – W 24-34** |
| | 50 | | | **EI240 – V – X – F – W 32-42.5** |
| | 60 | | | **EI240 – V – X – F – W 39-51** |

*) Seals < 10.2mm 5mm of sealant should be applied

### A.2.5 Sika® Backer Rod Fire (mm) in conjunction with Sikaflex® AT Connection Linear Joint Seals in Rigid Walls 120 mm thick (min.) –Single Seal

| Seal Orientation | Sika® Backer Rod Fire Dia | Sikaflex® AT Connection Depth (mm) | Substrates | Classification |
|---|---|---|---|---|
|  | 12 | Sealant depth =width x 0.5* (2:1) | AAC-AAC | **E240 EI180 – V – X – F – W 6-10.2** |
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## 8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR - SPECIFIC TECHNICAL DOCUMENTATION

Name: Andrew Gillard
Function: Business Unit Manager
At Welwyn Garden City on 05 May 2020

.....

Name: Ana Mourato
Function: Product Manager
At Welwyn Garden City on 05 May 2020

.....

End of information as required by Regulation (EU) No 305/2011

## RELATED DECLARATION OF PERFORMANCE

| Product Name | Harmonised technical specification | DoP Number |
|---|---|---|
| Sikaflex® AT Connection | EN 15651-1:2012 | 85481985 |

## FULL CE MARKING

CE

17

Sika Services AG, Zurich, Switzerland

DoP No. 22615774

ETAG 026

Notified Body 1121

Fire stopping and sealing product, linear gap sealing systems when used in conjunction with Sika® Backer Rod Fire

| Essential Characteristics | Performance | AVCP | Harmonised Technical Specification |
|---|---|---|---|
| BWR 1 Mechanical resistance and stability : | | | |
| None | Not relevant | System 1 | |
| **BWR 2 Safety in case of fire :** | | | |
| Reaction to fire (EN 13501-1) | Sika® Backer Rod Fire - A1<br>SikaHyflex®-250 Façade - E<br>Sikaflex® AT Connection - E | System 1 | |
| Resistance to fire (EN 13501-2) | Annex A | System 1 | ETAG 026 |
| BWR 3 Hygiene, Health and the Environment : | | | |
| Release of dangerous substances | Use category IA1, S/W3<br>Declaration of manufacturer | System 1 | |
| **General aspects relating to fitness for use :** | | | |
| Durability and serviceability (EOTA TR 024:2009) | Z1 | System 1 | |

**Declaration of Performance**
Sikaflex® AT Connection
22615774
2020.05 , ver. 1
1144, 1001

## Annex A

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### Orientation

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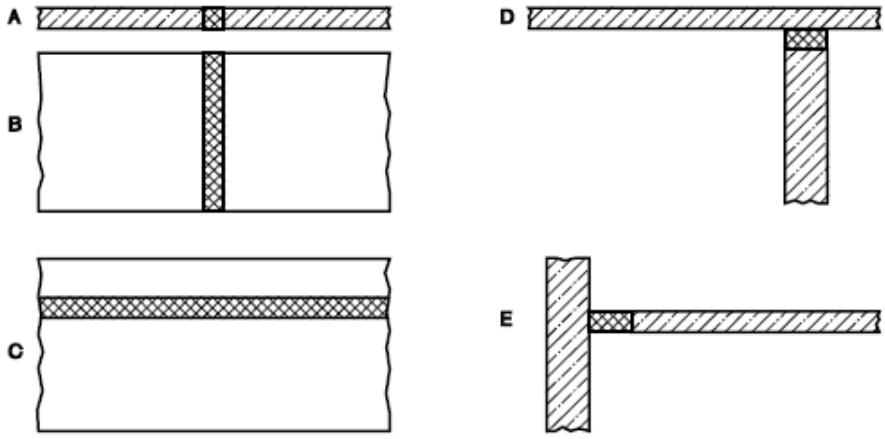

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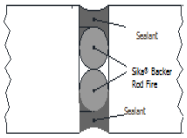
|  | 12 | Sealant depth =width x 0.8* | AAC-AAC | **EI240 – H – X – F – W 7-10.2** |
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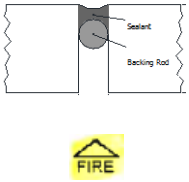
|  | 12 | Sealant depth =width x 0.8* | AAC-AAC | **EI240 – H – X – F – W 7-10.2** |
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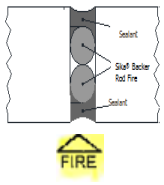
|  | 12 | Sealant depth = width x 0.5* (2:1) | AAC-AAC | EI240 – V – X – F – W 6-10.2 |
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| Seal Orientation | Sika® Backer Rod Fire Dia | Sikaflex® AT Connection Depth (mm) | Substrates | Classification |
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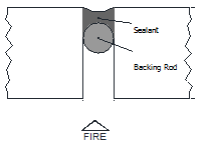
|  | 12 | Sealant depth =width x 0.5* (2:1) | AAC-AAC | E240 EI180 – V – X – F – W 6-10.2 |
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http://dop.sika.com

## CE MARKING TO BE PLACED ON THE LABEL

| |
|---|
| CE<br>17 |
| Sika Services AG, Zurich, Switzerland |
| DoP No. 22615774 |
| ETAG 026 |
| Notified Body 1121 |
| Fire stopping and sealing product, linear gap sealing systems when used in conjunction with Sika® Backer Rod Fire |
| For declared characteristics details see accompanying documents |
| http://dop.sika.com |

## ECOLOGY, HEALTH AND SAFETY INFORMATION (REACH)

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

## LEGAL NOTE

**Sika Limited**
Watchmead
Welwyn Garden City, Herts,
AL7 1BQ
UK
https://gbr.sika.com/

**Sika Ireland Ltd**
Sika House, Ballymun
Industrial Estate
Dublin, D11 DA2V
Ireland
https://irl.sika.com/

**Declaration of Performance**
Sikaflex® AT Connection
22615774
2020.05 , ver. 1
1144, 1001