

Sikaflex® AT Connection

DECLARATION OF PERFORMANCE

No. 22615774

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	22615774
2	INTENDED USE/S	ETA 17/0980 Fire stopping and sealing product, linear gap sealing systems when used in conjunction with Sika® Backer Rod Fire
3	MANUFACTURER:	Sika Services AG Tüffenwies 16-22 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

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7 DECLARED PERFORMANCE/S

Essential Characteristics	Performance	AVCP	Harmonised Technical Specification
BWR 1 Mechanical resistance and st			
None	Not relevant	System 1	
BWR 2 Safety in case of fire :			
Reaction to fire (EN 13501-1)	Sika® Backer Rod Fire - A1 Sikaflex® AT Connection	System 1	
Resistance to fire (EN 13501-2)	Annex A	System 1	
BWR 3 Hygiene, Health and the Envi	ronment :		
Air permeability (EN 1026:2000)	NPD	System 1	
Water permeability	NPD	System 1	
Release of dangerous substances	Use category IA1, S/W3 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	<u> </u>
BWR 6 Energy, Economy and Heat F	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 f	or use :		
Durability and serviceability (EOTA TR 024:2009)	Z1	System 1	
BWR 7 Sustainable use of natural re	esources :		
	NPD	System 1	

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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

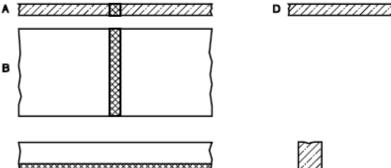
Tested orientation	Application
A	A, D, E ^a
В	В
С	C, D ^b

^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.

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.







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^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.

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		AAC-AAC	EI240 – H – X – F – W 7-10.2
Seelect	15	Sealant depth =width x 0.8*		EI240 – H – X – F – W 9-12.75
Sila® Backer	20			EI240 – H – X – F – W 12-17
Scalart	30			EI240 – H – X – F – W 16-25.5
	40			EI240 – H – X – F – W 24-34
FIRE	50			EI240 – H – X – F – W 32-42.5
FIRE	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		AAC-AAC	EI240 – H – X – F – W 7-10.2
Seelert	15	Sealant depth =width x 0.8*		EI240 – H – X – F – W 9-12.75
Backing Rad	20			EI240 – H – X – F – W 12-17
	30			EI240 – H – X – F – W 16-25.5
FIRE	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

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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		AAC-AAC	EI240 – V – X – F – W 6-10.2
Seelert	15	Sealant depth = width x 0.5* (2:1)		EI240 – V – X – F – W 9-12.75
Silef Backer	20			EI240 – V – X – F – W 12-17
Sector	30			EI240 – V – X – F – W 16-25.5
FIRE	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

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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		AAC-AAC	E240 E1180 – V – X – F – W 6-10.2
	15	Sealant depth =width x 0.5* (2:1)		E240 EI180 – V – X – F – W 9-12.75
	20			E240 EI180 – V – X – F – W 12-17
Securit	30			E240 EI180 – V – X – F – W 16-25.5
Backing Rad	40			E240 EI180 – V – X – F – W 24-34
FIRE	50			E240 EI180 – V – X – F – W 32-42.5
	60			E240 EI180 – V – X – F – W 39-51

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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

Bhl Ana Mourat

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

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FULL CE MARKING



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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 s	tability :		
None	Not relevant	System 1	
BWR 2 Safety in case of fire :			
Reaction to fire (EN 13501-1)	Sika® Backer Rod Fire - A1 SikaHyflex®-250 Façade - E Sikaflex® AT Connection - E	System 1	
Resistance to fire (EN 13501-2)	Annex A	System 1	ETAG 026
BWR 3 Hygiene, Health and the Env	ironment :		
Release of dangerous substances	Use category IA1, S/W3 Declaration of manufacturer	System 1	
General aspects relating to fitness	for use :		
Durability and serviceability (EOTA TR 024:2009)	Z1	System 1	

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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

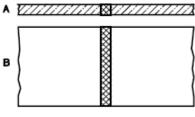
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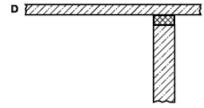
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A.1.1 Rigid floor constructions according to 2.2.1 with floor thickness of minimum 150 mm

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		AAC-AAC	EI240 – H – X – F – W 7-10.2
Sector	15	Sealant depth =width x 0.8*		EI240 – H – X – F – W 9-12.75
Sild® Backer	20			EI240 – H – X – F – W 12-17
Koo nee	30			EI240 – H – X – F – W 16-25.5
	40			EI240 – H – X – F – W 24-34
FIRE	50			EI240 – H – X – F – W 32-42.5
FIRE	60			EI240 – H – X – F – W 39-51

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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			EI240 – H – X – F – W 7-10.2
Seelert	15	Sealant depth =width x	AAC-AAC	EI240 – H – X – F – W 9-12.75
Backing Rad	Backing Rod 20			EI240 – H – X – F – W 12-17
	30			EI240 – H – X – F – W 16-25.5
FIRE	40	0.8*		EI240 – H – X – F – W 24-34
	50			EI240 – H – X – F – W 32-42.5
	60			EI240 – H – X – F – W 39-51

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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
Sector State	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

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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
Sealers Backing Rod	12	Sealant depth =width x 0.5* (2:1)	AAC-AAC	E240 EI180 – V – X – F – W 6-10.2
	15			E240 EI180 – V – X – F – W 9-12.75
	20			E240 EI180 – V – X – F – W 12-17
	30			E240 EI180 – V – X – F – W 16-25.5
	40			E240 EI180 – V – X – F – W 24-34
	50			E240 E1180 – V – X – F – W 32-42.5
	60			E240 EI180 – V – X – F – W 39-51

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

http://dop.sika.com

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CE MARKING TO BE PLACED ON THE LABEL



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Sika Services AG, Zurich, Switzerland

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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

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sikas recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the products suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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