

Sika® Backer Rod Fire

DECLARATION OF PERFORMANCE

No. 47653389

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	47653389
2	INTENDED USE/S	ETA 17/0980/ EAD 350141-00-1106:2017 Fire stopping and sealing product, linear gap sealing systems when used in conjunction with SikaHyflex®-250 Facade
3	MANUFACTURER:	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	AUTHORISED REPRESENTATIVE:	
5	SYSTEM/S OF AVCP:	System 1
6b	EUROPEAN ASSESSMENT DOCUMENT:	EAD 350141-00-1106 FIRE STOPPING AND FIRE SEALING PRODUCTS, LINEAR JOINT AND GAP SEALS - September 2017
	European Technical Assessment:	ETA 17/0980 of 25/05/2019
	Technical Assessment Body:	Warrington Fire Testing and Certification Limited
	Notified body/ies:	1121, 2812

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7 DECLARED PERFORMANCE/S

ProductType Sika® Backer Rod Fire	Intended use: Linear Joint Seal		
Basic requirement for construction work	Basic Requirement	Performance	
	BWR 1 Mechanical resistance and stability		
	None	Not relevant	
	BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	Sika® Backer Rod Fire A1 SikaHyflex®-250 Facade E	
EN 13501-2	Resistance to fire	Annex A	
	BWR 3 Hygiene, Health and the Environment		
EN 1026:2000	Air permeability	NPD (No performance determined)	
EAD 350141-00-1106	Water permeability	NPD (No performance determined)	
Declaration by manufacturer	Release of dangerous substances	Usecategory IA1,S/W3Declaration of manufacturer	
	BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	NPD (No performance determined)	
EOTA TR 001:2003	Resistance to impact/movement	NPD (No performance determined)	
EOTA TR 001:2003	Adhesion	NPD (No performance determine	
	BWR 5 Protection against noise		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	NPD (No performance determined)	
1	BWR 6 Energy, Economy and Heat Retention		
EN 126 64, EN 12667 or EN 12939	Thermal properties	NPD (No performance determined)	
EN I SO 12572	Water vapour permeability	NPD (No performance determined)	
EN12086			
	General aspects relating to fitness for use		
EOTA TR 024:2009	Durability and serviceability	Z1	
	BWR 7 Sustainable use of natural resources		
		NPD (No performance determined)	

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Annex A

Resistance to Fire Classification of Sika® Backer Rod Fire linear gap sealing systems when used in conjunction with SikaHyflex®-250 Facade

Orientation

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

Table 1

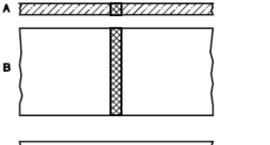
Tested orientation	Application
А	A, D, E ^a
В	В
С	C, D ^b

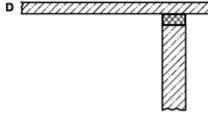
^a Orientation E will only be covered by test orientation A if shear movement was chosen and one face of the joint was fixed and the other was moved.

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 Rigid floor constructions according to 2.1 with floor thickness of minimum 200 mm

A1.1 Linear joint or gap seal, horizontally orientated

A.1.1.1 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Floors 200 mm thick (min.) - Double Seal

Seal Orientation (A&D)	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade depth (mm)	Substrates	Classification
Sealant	12			EI240 – H – X – F – W 7-10.2
Sika® Backer Concrete	15	Sealant depth = width x 0.8*	AAC-AAC	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
44	40			EI240 – H – X – F – W 24-34
Fire side	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.1.1.2 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Floors 200 mm thick (min.) - Single Seal

Seal Orientation (A&D)	Sika [®] Backer RodFire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
Sealant	12			EI240 – H – X – F – W 7-10.2
Sika® Backer Concrete	15	Sealant depth = width x 0.8*	AAC-AAC	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
Fire side	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

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A.1.1.3 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Floors 200 mm thick (min.) - Single Seal

Seal Orientation (A&D)	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12		AAC-AAC	E180 EI120 – H – X – F – W 7-10.2
	15	Sealant depth = width x 0.8*		E180 EI120 – H – X – F – W 9-12.75
\$4.9 E35	20			E180 EI120 – H – X – F – W 12-17
	30			E180 EI120 – H – X – F – W 16-25.5
Ska" tacker Concrete	40			E180 EI120 – H – X – F – W 24-34
Salare — Per sol	50			E180 El120 – H – X – F – W 32-42.5
	60			E180 EI120 – H – X – F – W 39-51

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

A.2 Rigid wall constructions according to 2. 1 with wall thickness of minimum 150 mm

A.2.1 Linear joint or gap seal, vertically and horizontally orientated

A.2.1.1 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Double Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			EI240 – V – X – F – W 7-10.2
	15	Sealant depth = width x 0.5* (2:1)	AAC-AAC	EI240 – V – X – F – W 9-12.75
Concrete	20			EI240 – V – X – F – W 12-17
re side sika backar	30			EI240 – V – X – F – W 16-25.5
49 Sika® Backer Rod 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

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

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A.2.1.2 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			E240 EI180 – V – X – F – W 7-10.2
T *	15		AAC-AAC	E240 EI180 – V – X – F – W 9-12.75
Concrete	20	Sealant depth = width x 0.5* (2:1)		E240 EI180 – V – X – F – W 12-17
Fire side	30			E240 EI180 – V – X – F – W 16-25.5
Skar Backer Rod Fire	40			E240 EI180 – V – X – F – W 24-34
	50			E240 EI180 – 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

A.2.1.3 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			E240 EI120 – V – X – F – W 7-10.2
· · · · · · · · · · · · · · · · · · ·	15	Sealant depth = width x 0.5* (2:1)	AAC-AAC	E240 EI120 – V – X – F – W 9-12.75
concrete	20			E240 EI120 – V – X – F – W 12-17
Ska* factor rod Fire	30			E240 EI120 – V – X – F – W 16-25.5
44 Gallant	40			E240 EI120 – V – X – F – W 24-34
	50			E240 EI120 – V – X – F – W 32-42.5
	60			E240 EI120 – V – X – F – W 39-51

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

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A.2.1.4 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			EI240 – T – X – F – W 7-10.2
1	15	Sealant depth = width x 0.5* (2:1)	AAC-AAC	EI240 – T – X – F – W 9-12.75
Congress	20			EI240 – T – X – F – W 12-17
Fire side	30			EI240 – T – X – F – W 16-25.5
Ska* dacker and fire	40			E1240 – T – X – F – W 24-34
	50			EI240 – T – X – F – W 32-42.5
	60			EI240 – T – X – F – W 39-51

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

A.2.1.5 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			E180 EI90 – T – X – F – W 7-10.2
··· ···	15	Sealant depth = width x 0.5* (2:1)	AAC-AAC	E180 E190 – T – X – F – W 9-12.75
Concrete	20			E180 EI90 – T – X – F – W 12-17
Ska* Sacker Fire side	30			E180 E190 – T – X – F – W 16-25.5
Seater	40			E180 EI90 – T – X – F – W 24-34
	50			E180 E190 – T – X – F – W 32-42.5
	60			E180 EI90 – T – X – F – W 39-51

^{*)} Seals < 10.2mm 8mm of sealant should be applies

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8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR - SPECIFIC TECHNICAL DOCUMENTATION

Name: Anders Beier Function: General Manager At Farum on 23 June 2020 Name : Kristian Larsen

Function: Head Sealing and Bonding

At Farum on 23 June 2020

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

RELATED DECLARATION OF PERFORMANCE

Product Name	Harmonised technical specification	DoP Number
Sika® Backer Rod Fire in conjunction with Sikaflex® AT Connection	EAD 350141-00-1106:2017	47653389
Sika® Backer Rod Fire used in conjunction with Sikaflex® PRO-3	EAD 350141-00-1106:2017	85928081

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FULL CE MARKING



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Sika Services AG, Zürich, Switzerland

47653389

EAD 350141-00-1106:2017

1121, 2812

Fire stopping and sealing product, linear gap sealing systems when used in conjunction with SikaHyflex®-250 Facade

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ProductType Sika [®] Backer Rod Fire li Sik	Intended use: Linear Joint Seal	
Basic requirement for construction work	Performance	
	BWR 1 Mechanical resistance and stability	
	None	Not relevant
	BWR 2 Safety in case of fire	
EN 13501-1	Reaction to fire	Sika® Backer Rod Fire A1 SikaHyflex®-250 Facade E
EN 13501-2	Resistance to fire	Annex A
<u>.</u>	BWR 3 Hygiene, Health and the Environment	
EN 1026:2000	Air permeability	NPD (No performance determined)
EAD 350141-00-1106	Water permeability	NPD (No performance determined)
Declaration by manufacturer	Use category IA1,S/W3 Declaration of manufacturer	
•	BWR 4 Safety in use	
EOTA TR 001:2003	Mechanical resistance and stability	NPD (No performance determined)
EOTA TR 001:2003	Resistance to impact/movement	NPD (No performance determined)
EOTA TR 001:2003 Adhesion		NPD (No performance determined)
	BWR 5 Protection against noise	
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	NPD (No performance determined)
	BWR 6 Energy, Economy and Heat Retention	
EN 126 64, EN 12667 or EN 12939	Thermal properties	NPD (No performance determined)
EN I SO 12572	EN I SO 12572 Water vapour permeability	
EN12086		
	General aspects relating to fitness for use	
EOTA TR 024:2009	Durability and serviceability	Z1
	BWR 7 Sustainable use of natural resources	
		NPD (No performance determined)

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Annex A

Resistance to Fire Classification of Sika® Backer Rod Fire linear gap sealing systems when used in conjunction with SikaHyflex®-250 Facade

Orientation

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

Table 1

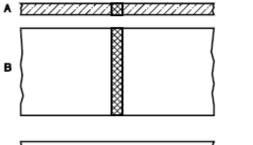
Tested orientation	Application
A	A, D, E ^a
В	В
С	C, D ^b

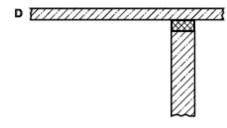
^a Orientation E will only be covered by test orientation A if shear movement was chosen and one face of the joint was fixed and the other was moved.

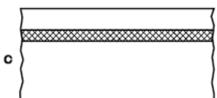
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- A linear joint in a horizontal test construction
- **B** vertical linear joint in a vertical test construction
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- D horizontal wall joint abutting a floor, ceiling or roof
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Table 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 Rigid floor constructions according to 2.1 with floor thickness of minimum 200 mm

A1.1 Linear joint or gap seal, horizontally orientated

A.1.1.1 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Floors 200 mm thick (min.) - Double Seal

Seal Orientation (A&D)	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade depth (mm)	Substrates	Classification
	12			EI240 – H – X – F – W 7-10.2
Sika® Backer Concrete				EI240 – H – X – F – W 9-12.75
20	20	Sealant		EI240 – H – X – F – W 12-17
}	30 40 50	depth =	AAC-AAC	EI240 – H – X – F – W 16-25.5
44		width x 0.8*		EI240 – H – X – F – W 24-34
Fire side				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.1.1.2 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Floors 200 mm thick (min.) - Single Seal

Seal Orientation (A&D)	Sika [®] Backer RodFire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
Sealant —	12			EI240 – H – X – F – W 7-10.2
Sika® Backer Concrete	15			EI240 – H – X – F – W 9-12.75
	20	Sealant	EI240 – H – X – F – W 12-17	EI240 – H – X – F – W 12-17
	30	depth =	AAC-AAC	EI240 - H - X - F - W 16-25.5
	40	width x 0.8*		EI240 – H – X – F – W 24-34
Fire side	50			EI240 – H – X – F – W 32-42.5
	60			EI240 – H – X – F – W 39-51

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A.1.1.3 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Floors 200 mm thick (min.) - Single Seal

Seal Orientation (A&D)	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification			
	12			E180 EI120 – H – X – F – W 7-10.2			
	15		E180 El120 – H – X – F – W 9-12.75				
	20	Sealant depth =	depth =	Sealant	Sealant		E180 EI120 – H – X – F – W 12-17
	30			AAC-AAC	E180 EI120 – H – X – F – W 16-25.5		
Sala* Backer Concrete	40	width x 0.8*		E180 El120 – H – X – F – W 24-34			
Salare Pro Los	50			E180 EI120 – H – X – F – W 32-42.5			
	60			E180 EI120 – H – X – F – W 39-51			

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

A.2 Rigid wall constructions according to 2. 1 with wall thickness of minimum 150 mm

A.2.1 Linear joint or gap seal, vertically and horizontally orientated

A.2.1.1 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Double Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			EI240 – V – X – F – W 7-10.2
	15			EI240 – V – X – F – W 9-12.75
re side Sealant Skall Backer Rood Fire	20			EI240 – V – X – F – W 12-17
	30		AAC-AAC	EI240 – V – X – F – W 16-25.5
	40	(2:1)		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

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A.2.1.2 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification		
	12			E240 EI180 – V – X – F – W 7-10.2		
ान भेटन	15		E240 El180 – V – X – F	E240 EI180 – V – X – F – W 9-12.75		
Concrete	20	Sealant denth =	Sealant depth =		E240 EI180 – V – X – F – W 12-17	
Fire side Suit Radian	30	width x 0.5*	AAC-AAC	E240 EI180 – V – X – F – W 16-25.5		
	40	(2:1)	(2:1)	(2:1)		E240 EI180 – V – X – F – W 24-34
	50		E240 EI180 – V – X – F – W	E240 EI180 – 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

A.2.1.3 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			E240 EI120 – V – X – F – W 7-10.2
T	15			E240 EI120 – V – X – F – W 9-12.75
Concrete Size Succession Fine Side Size Size Succession Fine Side Size Size Size Side Size Size Size Size Size Size Size Size	20	Sealant depth =		E240 EI120 – V – X – F – W 12-17
	30	width x 0.5*	AAC-AAC	E240 EI120 – V – X – F – W 16-25.5
	40	(2:1)		E240 EI120 – V – X – F – W 24-34
	50			E240 EI120 – V – X – F – W 32-42.5
	60			E240 EI120 – V – X – F – W 39-51

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

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A.2.1.4 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			EI240 – T – X – F – W 7-10.2
· . · · · . ·	15		EI240 – T – X – F – W 9-12.	EI240 – T – X – F – W 9-12.75
— Concrete	20	Sealant depth =		EI240 – T – X – F – W 12-17
Fire side Salar Society Societ	30	width x 0.5*	AAC-AAC EI240 – T – X – F – W 16-2	EI240 – T – X – F – W 16-25.5
	40	(2:1)		E1240 – T – X – F – W 24-34
	50			EI240 – T – X – F – W 32-42.5
	60			EI240 – T – X – F – W 39-51

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

A.2.1.5 Sika® Backer Rod Fire (mm) in conjunction with SikaHyflex®-250 Facade Linear Joint Seals in Rigid Walls 150 mm thick (min.) – Single Seal

Seal Orientation	Sika [®] Backer Rod Fire Dia	SikaHyflex®-250 Facade Depth (mm)	Substrates	Classification
	12			E180 EI90 – T – X – F – W 7-10.2
T	15		_	E180 E190 – T – X – F – W 9-12.75
Concrete	20	Sealant depth =		E180 EI90 – T – X – F – W 12-17
Ska [®] factor fod frir Sallert	30	width x 0.5*	AAC-AAC	E180 E190 – T – X – F – W 16-25.5
	40	(2:1)		E180 EI90 – T – X – F – W 24-34
	50			E180 E190 – T – X – F – W 32-42.5
	60			E180 EI90 – T – X – F – W 39-51

^{*)} Seals < 10.2mm 8mm of sealant should be applies

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Declaration of Performance



CE MARKING TO BE PLACED ON THE LABEL



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Sika Services AG, Zürich, Switzerland

47653389

EAD 350141-00-1106:2017

1121, 2812

Fire stopping and sealing product, linear gap sealing systems when used in conjunction with SikaHyflex®-250 Facade

For declared characteristics details see accompanying documents

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

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Sika Danmark A/S

Hirsemarken 5 3520 Farum Danmark www.sika.dk

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