BUILDING TRUST

Sikasil®-670 Fire

DECLARATION OF PERFORMANCE
No. 52924552

1	**UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:**	52924552
2	**INTENDED USE/S**	ETA 14/0474/ EAD 350141-00-1106:2017 Fire stopping and sealing products, linear joint and gap seals
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 14/0474 of 11/07/2019
	Technical Assessment Body:	Warrington Fire Testing and Certification Limited
	Notified body/ies:	1121, 2812

7 DECLARED PERFORMANCE/S

Product Type: Sikasil®-670 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	Sikasil®-670 Fire - E
EN 13501-2	Resistance to fire	Annex A
BWR 3 Hygiene, Health and the Environment		
EN 1026:2000	Air permeability	No performance determined
EAD 350141-00-1106	Water permeability	No performance determined
Declaration by manufacturer	Release of dangerous substances	Use category IA1, S/W3 Declaration of manufacturer
BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003	Adhesion	No performance determined
BWR 5 Protection against noise		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	Rw ($C;C_{tr}$)= 38(-2;-9)
BWR 6 Energy, Economy and Heat Retention		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN12086	Water vapour permeability	No performance determined
General aspects relating to fitness for use		
EOTA TR 024:2009	Durability and serviceability	X
BWR 7 Sustainable use of natural resources		
		No performance determined

Annex A

Resistance to Fire Classification of Sikacryl®-670 Fire

Orientation

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

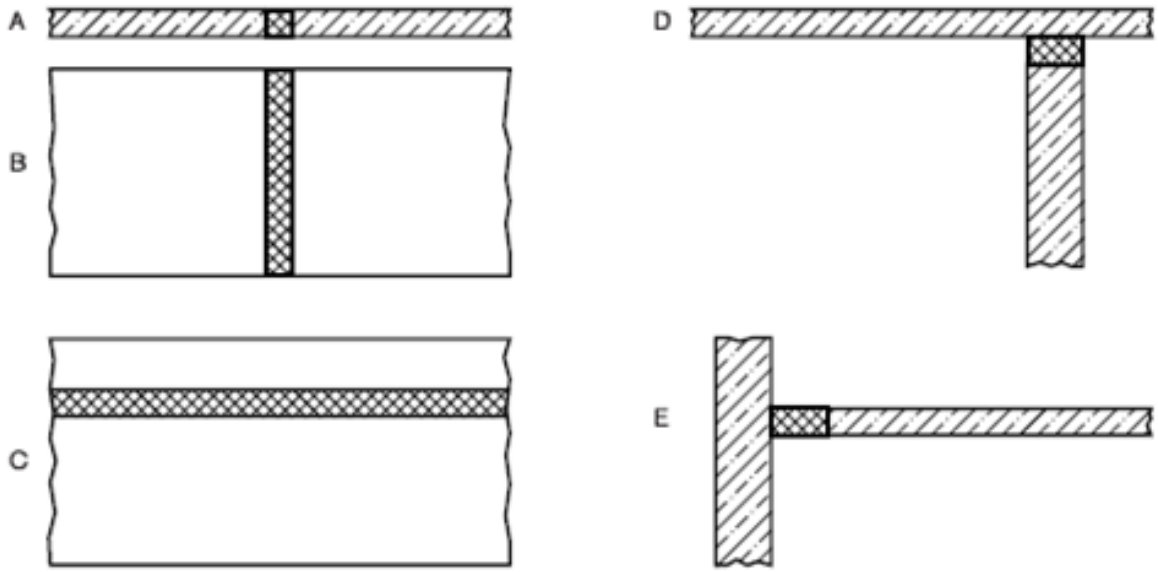
Table 1

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

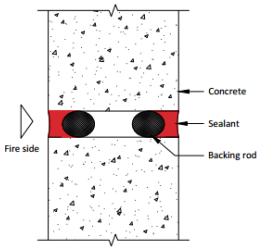
Table 1 only applies when both the supporting construction and the location of the seal within the linear joint remain unchanged.

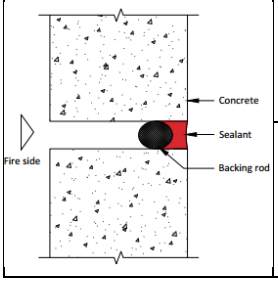


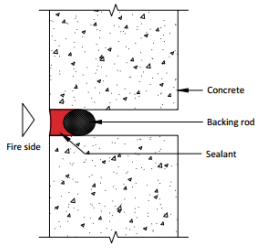
A.1 Rigid wall constructions according to 2.1 with wall thickness of minimum 150 mm

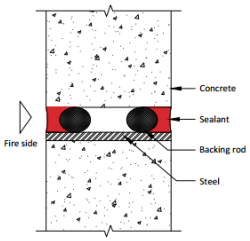
A.1.1 Linear joint or gap seal

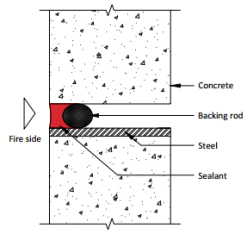
A.1.1.1 Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.)

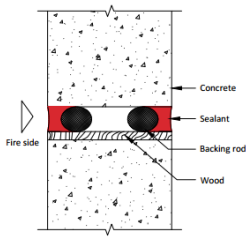
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-AAC	**EI240 – V – 25 – F – W 12-50**
				EI240 – V – X – F – W 12-50

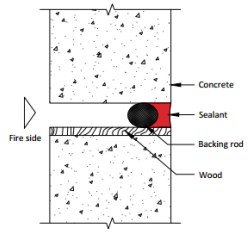
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	15	PE Backing Rod	AAC-AAC	**E180 EI45 – V – 25 – F – W 0-30**
	0.5 x width			**E240 EI130 – V – 25 – F – W 12-50**
				E240 EI60 – V – X – F – W 12-50

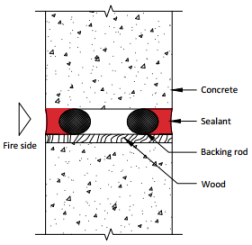
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	15	PE Backing Rod	AAC-AAC	**E60 EI45 – V – 25 – F – W 10-30**
	0.5 x width			**E60 EI45 – V – 25 – F – W 30-50**
	15			**E240 EI60 – V – X – F – W 10-30**
	0.5 x width			**E180 EI45– V – X – F – W 30-50**

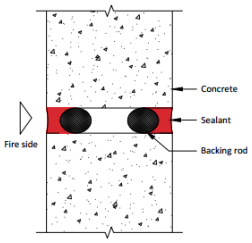
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Steel	**E240 EI60 – V – X – F – W 12-30**
				E240 EI90 – V – X – F – W 30-50

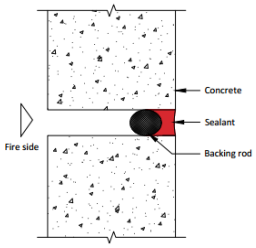
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Steel	**E240 EI15 – V – X – F – W 12-50**

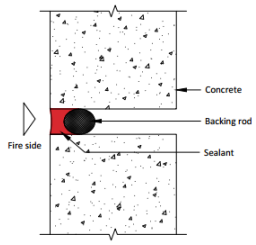
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Softwood	**EI120 – V – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Softwood	**EI90 – V – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Hardwood	**EI180 – V – X – F – W 12-30**
				EI240 – V – X – F – W 30-50

Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-AAC	**E240 EI180 – T – 25 – F – W 12-50**
				EI240 – T – X – F – W 12-50

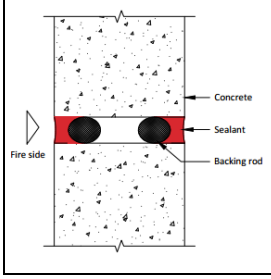
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-AAC	**E120 EI60 – T – 25 – F – W 12-50**
				E240 EI60 – T – X – F – W 12-50

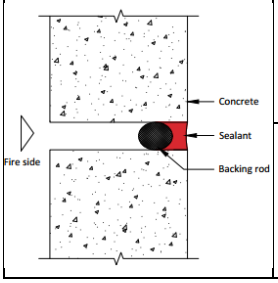
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	15	PE Backing Rod	AAC-AAC	**E60 EI45 – T – 25 – F – W 10-30**
	0.5 x width			**E60 EI45 – T – 25 – F – W 30-50**
	15			**E180 EI60 – T – X – F – W 10-30**
	0.5 x width			**E90 EI60 –T – X – F – W 30-50**

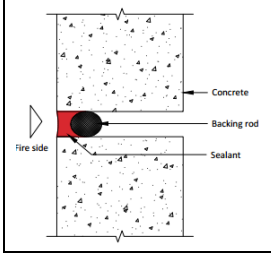
A2 Rigid floor constructions according to 2.1 with wall thickness of minimum 150 mm

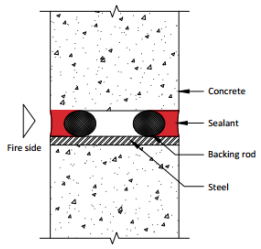
A2.1 Linear joint or gap seal

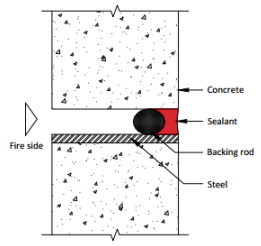
A2.2.1 Sikasil®- 670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.)

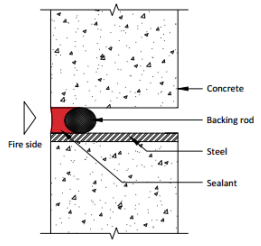
Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-AAC	**E240 EI180 – H – 25 – F – W 12-50**
				EI240 – H – X – F – W 12-50

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-AAC	**E240 EI60 – H – 25 – F – W 12-50**
	0.5 x width			**E240 EI120 – H – 25 – F – W 12-30**
				E240 EI60 – H – X – F – W 30-50

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-AAC	**E90 EI60 – H – 25 – F – W 12-50**
	0.8 x width			**E60 EI60 – H – X – F – W 30-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-Steel	**E240 EI60 – H – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-Steel	**E90 EI60 – H – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-Steel	**E90 EI60 – H – X – F – W 12-50**

8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR - SPECIFIC TECHNICAL DOCUMENTATION

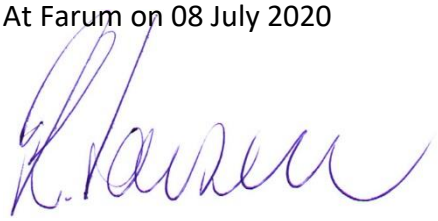
The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name : Anders Beier
Function: General Manager
At Farum on 08 July 2020

. . . . . .

Name : Kristian Larsen
Function: Head Sealing and Bonding
At Farum on 08 July 2020



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

RELATED DECLARATION OF PERFORMANCE

Product Name	Harmonised technical specification	DoP Number
Sikasil®-670 Fire	EN 15651-1:2012	43303384
Sikasil®-670 Fire	EN 15651-2:2012	92248893
Sikasil®-670 Fire	EN 15651-4:2012	90043108

FULL CE MARKING

CE 14
Sika Services AG, Zurich, Switzerland
52924552
EAD 350141-00-1106:2017
1121, 2812
Fire stopping and sealing products, linear joint and gap seals

Product Type: Sikasil®-670 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	Sikasil®-670 Fire - E
EN 13501-2	Resistance to fire	Annex A
BWR 3 Hygiene, Health and the Environment		
EN 1026:2000	Air permeability	No performance determined
EAD 350141-00-1106	Water permeability	No performance determined
Declaration by manufacturer	Release of dangerous substances	Use category IA1, S/W3 Declaration of manufacturer
BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003	Adhesion	No performance determined
BWR 5 Protection against noise		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	Rw ($C;C_{tr}$)= 38(-2;-9)
BWR 6 Energy, Economy and Heat Retention		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN12086	Water vapour permeability	No performance determined
General aspects relating to fitness for use		
EOTA TR 024:2009	Durability and serviceability	X
BWR 7 Sustainable use of natural resources		
		No performance determined

Annex A

Resistance to Fire Classification of Sikacryl®-670 Fire

Orientation

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

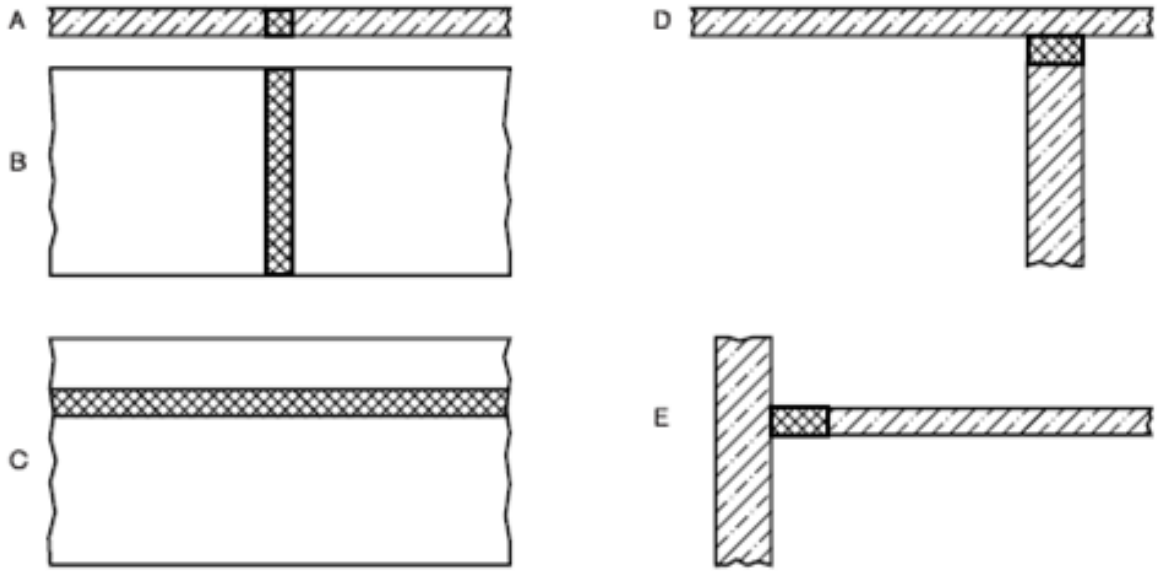
Table 1

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

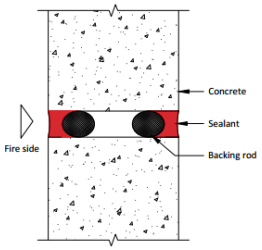
Table 1 only applies when both the supporting construction and the location of the seal within the linear joint remain unchanged.

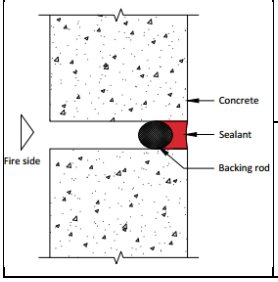


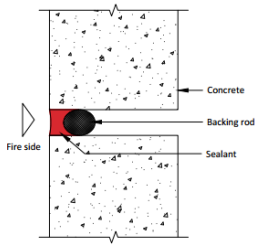
A.1 Rigid wall constructions according to 2.1 with wall thickness of minimum 150 mm

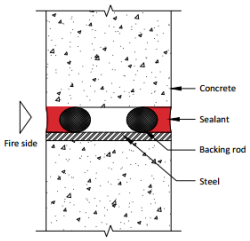
A.1.1 Linear joint or gap seal

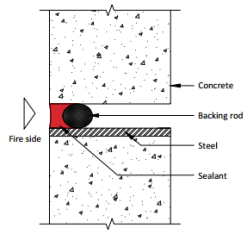
A.1.1.1 Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.)

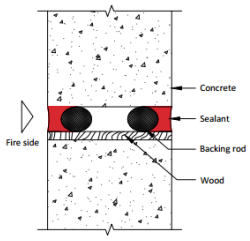
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-AAC	**EI240 – V – 25 – F – W 12-50**
				EI240 – V – X – F – W 12-50

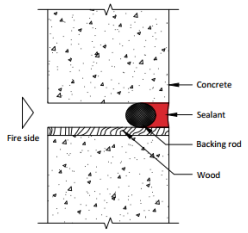
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	15	PE Backing Rod	AAC-AAC	**E180 EI45 – V – 25 – F – W 0-30**
	0.5 x width			**E240 EI130 – V – 25 – F – W 12-50**
				E240 EI60 – V – X – F – W 12-50

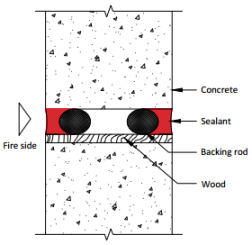
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	15	PE Backing Rod	AAC-AAC	**E60 EI45 – V – 25 – F – W 10-30**
	0.5 x width			**E60 EI45 – V – 25 – F – W 30-50**
	15			**E240 EI60 – V – X – F – W 10-30**
	0.5 x width			**E180 EI45– V – X – F – W 30-50**

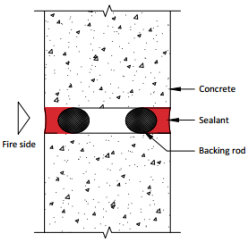
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Steel	**E240 EI60 – V – X – F – W 12-30**
				E240 EI90 – V – X – F – W 30-50

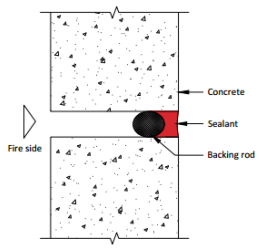
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Steel	**E240 EI15 – V – X – F – W 12-50**

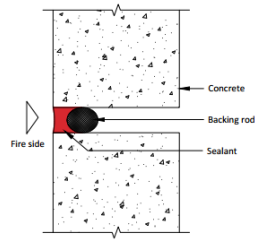
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Softwood	**EI120 – V – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Softwood	**EI90 – V – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-Hardwood	**EI180 – V – X – F – W 12-30**
				EI240 – V – X – F – W 30-50

Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-AAC	**E240 EI180 – T – 25 – F – W 12-50**
				EI240 – T – X – F – W 12-50

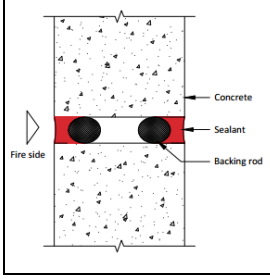
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.5 x width	PE Backing Rod	AAC-AAC	**E120 EI60 – T – 25 – F – W 12-50**
				E240 EI60 – T – X – F – W 12-50

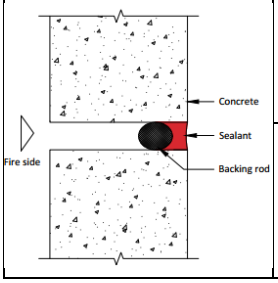
Sikasil®-670 Fire Linear Joint Seals in Rigid Walls 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	15	PE Backing Rod	AAC-AAC	**E60 EI45 – T – 25 – F – W 10-30**
	0.5 x width			**E60 EI45 – T – 25 – F – W 30-50**
	15			**E180 EI60 – T – X – F – W 10-30**
	0.5 x width			**E90 EI60 –T – X – F – W 30-50**

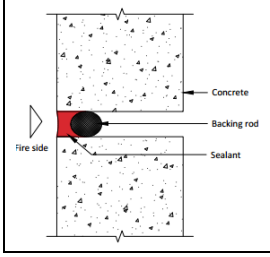
A2 Rigid floor constructions according to 2.1 with wall thickness of minimum 150 mm

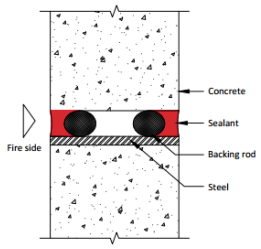
A2.1 Linear joint or gap seal

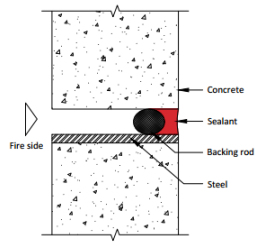
A2.2.1 Sikasil®- 670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.)

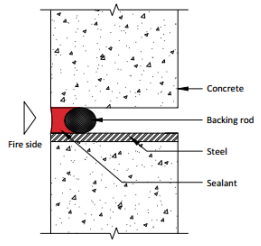
Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-AAC	**E240 EI180 – H – 25 – F – W 12-50**
				EI240 – H – X – F – W 12-50

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-AAC	**E240 EI60 – H – 25 – F – W 12-50**
	0.5 x width			**E240 EI120 – H – 25 – F – W 12-30**
				E240 EI60 – H – X – F – W 30-50

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-AAC	**E90 EI60 – H – 25 – F – W 12-50**
	0.8 x width			**E60 EI60 – H – X – F – W 30-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-Steel	**E240 EI60 – H – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-Steel	**E90 EI60 – H – X – F – W 12-50**

Sikasil®-670 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.) -				
Seal Configuration	**Sikasil®-670 Fire Depth (mm)**	**Backing Material**	**Substrates**	**Classification**
	0.8 x width	PE Backing Rod	AAC-Steel	**E90 EI60 – H – X – F – W 12-50**

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CE MARKING TO BE PLACED ON THE LABEL

CE
14
Sika Services AG, Zurich, Switzerland
52924552
EAD 350141-00-1106:2017
1121, 2812
Fire stopping and sealing products, linear joint and gap seals
For details see accompanying documents
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ECOLOGY, HEALTH AND SAFETY INFORMATION (REACH)

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

LEGAL NOTE

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