

Sikasil®-670 Fire

PRESTANDEDEKLARATION

No. 46913884

1	PRODUKTTYPENS UNIKA IDENTIFIKATIONSKOD:	46913884
2	IAVSEDD ANVÄNDNING/ AVSEDDA ANVÄNDNINGAR:	Fire stopping and fire sealing products, linear joint and gap seals
3	TILLVERKARE:	Sika Services AG Tüffenwies 16 8064 Zürich
4	TILLVERKARENS REPRESENTANT:	
5	SYSTEM FÖR BEDÖMNING OCH FORTLÖPANDE KONTROLL AV PRESTANDA:	System 1
6b	EUROPEISKT BEDÖMNINGSDOKUMENT:	EAD 350141-00-1106 Edition 2017 Fire stopping and Fire Sealing Products, Linear Joint and Gap Seals
	Europeisk teknisk bedömning:	ETA-20/1114 of 29/12/2020
	Tekniskt bedömningsorgan:	Instytut Techniki Budowlanej
	Notified body/ies:	1488, 2812

Declaration of Performance

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7 DECLARED PERFORMANCE/S

7.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Class E
Resistance to fire	Annex A

7.2 Hygiene, health and the environment (BWR 3)

No performance assessed.

7.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Mechanical resistance and stability	No performance assessed
Resistance to impact / movement	No performance assessed
Adhesion	No performance assessed
Durability	Use category: Type X
Movement capability	Movement capability $\leq 25\%$

7.4 Protection against noise (BWR 5)

No performance assessed.

7.5 Energy economy and heat retention (BWR 6)

No performance assessed.

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Additional provisions

- Sikasil®-670 Fire shall be applicable only to straight parallel edge surfaces of linear joints or gaps.
- Possible orientation of the linear joint seals is presented in fig. A1 and Table A1.

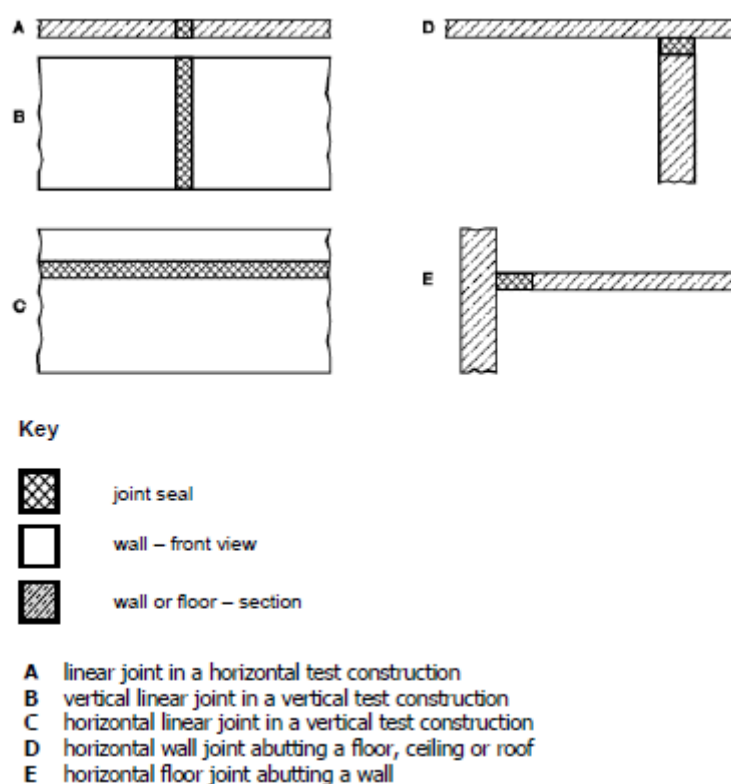


Fig. A1. Possible orientation of linear joint seals

Table A1

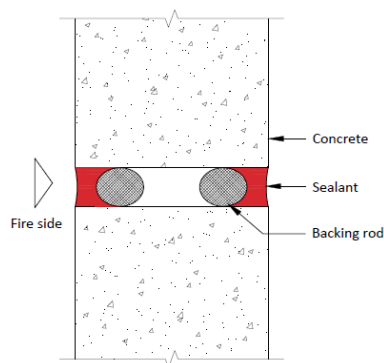
Seal type tested orientation	Possible orientation in accordance with fig. A1
A	A, D, E ^a
B	B
C	C, D ^b
^a Orientation E will only be covered by test orientation A if shear movement was chosen and one face of the joint was fixed and the other was moved. ^b Orientation D will only be covered by test orientation C if shear movement was chosen and one face of the joint was fixed and the other was moved.	

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Additional provisions	

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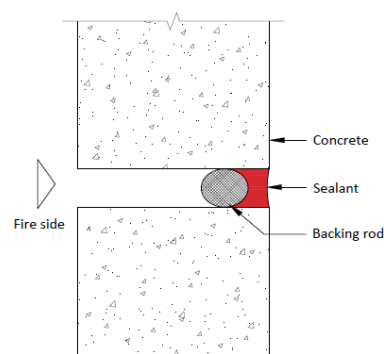
Fig. A2. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A2 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - AAC	EI 240 – V – 25 – F – W 12-50
		EI 240 – V – X – F – W 12-50

Fig. A3. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A3 and Annex A1:

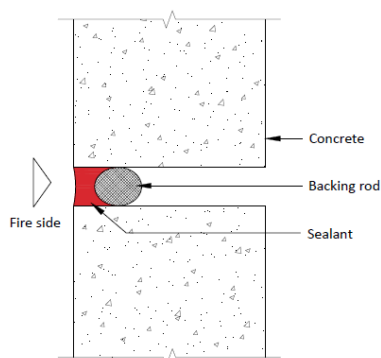
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
15	AAC - AAC	EI 45 E 180 – V – 25 – F – W 0-30
width x 0.5		EI 30 E 240 – V – 25 – F – W 12-50
		EI 60 E 240 – V – X – F – W 12-50

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Installation details and resistance to fire classification of linear joint seals	

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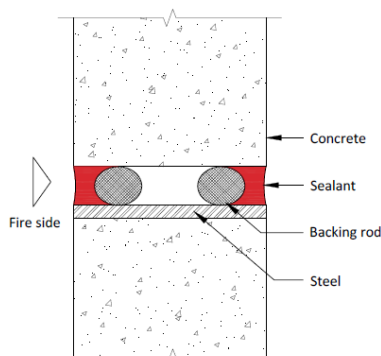
Fig. A4. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A4 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
15	AAC - AAC	EI 45 E 60 – V – 25 – F – W 10-30
width x 0.5		EI 45 E 60 – V – 25 – F – W 30-50
15		EI 60 E 240 – V – X – F – W 10-30
width x 0.5		EI 45 E 180 – V – X – F – W 30-50

Fig. A5. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A5 and Annex A1:

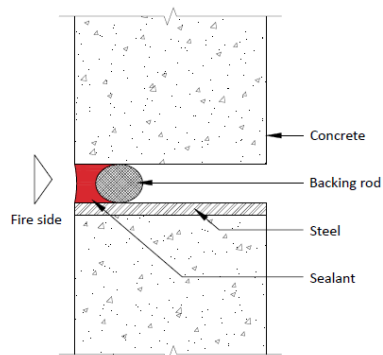
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Steel	EI 60 E 240 – V – X – F – W 12-30
		EI 90 E 240 – V – X – F – W 30-50

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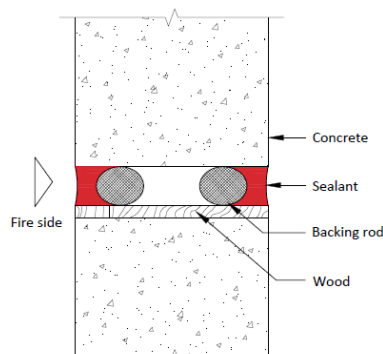
Fig. A6. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A6 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Steel	EI 15 E 240 – V – X – F – W 12-50

Fig. A7. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A7 and Annex A1:

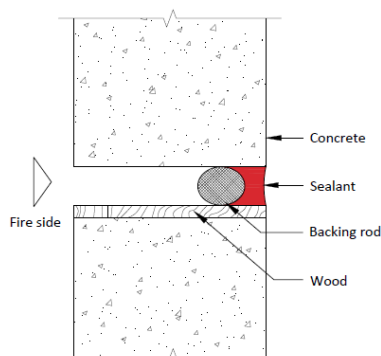
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Softwood	EI 120 – V – X – F – W 12-50

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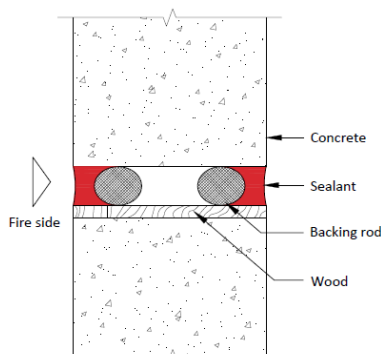
Fig. A8. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A8 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Softwood	EI 90 – V – X – F – W 12-50

Fig. A9. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A9 and Annex A1:

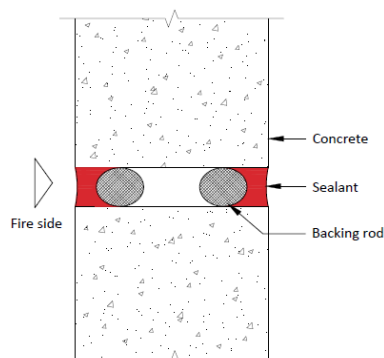
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Hardwood	EI 180 – V – X – F – W 12-30
		EI 240 – V – X – F – W 30-50

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Installation details and resistance to fire classification of linear joint seals	

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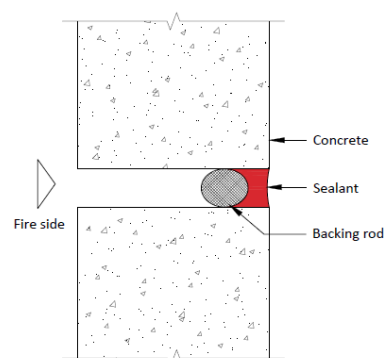
Fig. A10. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A10 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - AAC	EI 180 E 240 – T – 25 – F – W 12-50
		EI 240 – T – X – F – W 12-50

Fig. A11. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A11 and Annex A1:

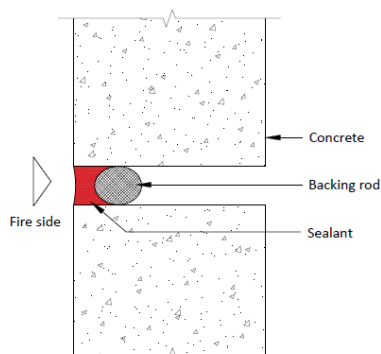
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - AAC	EI 60 E 120 – T – 25 – F – W 12-50
		EI 60 E 240 – T – X – F – W 12-50

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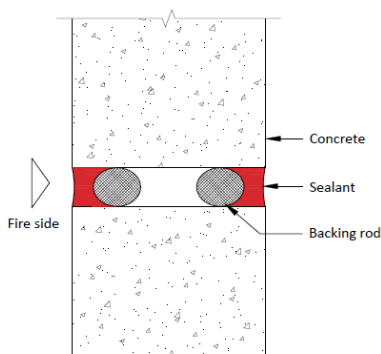
Fig. A12. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A12 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
15	AAC - AAC	EI 45 E 60 – T – 25 – F – W 10-30
width x 0.5		EI 45 E 60 – T – 25 – F – W 30-50
15		EI 60 E 180 – T – X – F – W 10-30
width x 0.5		EI 60 E 90 – T – X – F – W 30-50

Fig. A13. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A13 and Annex A1:

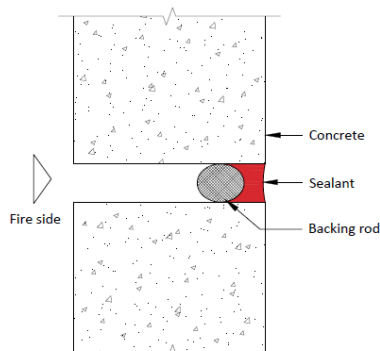
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - AAC	EI 180 E 240 – H – 25 – F – W 12-50
		EI 240 – H – X – F – W 12-50

Sikasil®-670 Fire	Annex A7 of European Technical Assessment ETA-20/1114
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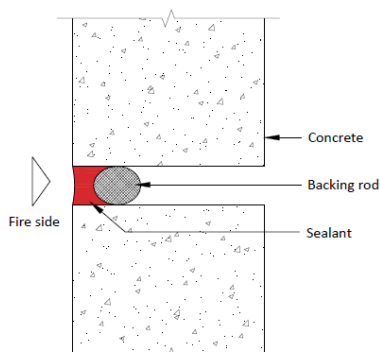
Fig. A14. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A14 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - AAC	EI 60 E 240 – H – 25 – F – W 12-50
width x 0.5		EI 120 E 240 – H – X – F – W 12-30
		EI 60 E 240– H – X – F – W 30-50

Fig. A15. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A15 and Annex A1:

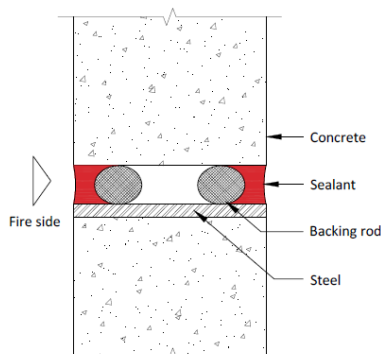
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - AAC	EI 60 E 90 – H – 25 – F – W 12-50
		EI 60 E 60 – H – X – F – W 30-50

Sikasil®-670 Fire	Annex A8 of European Technical Assessment ETA-20/1114
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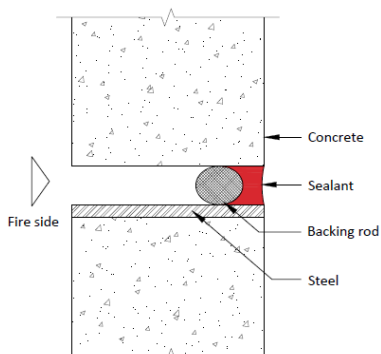
Fig. A16. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A16 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - Steel	EI 60 E 240 – H – X – F – W 12-50

Fig. A17. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A17 and Annex A1:

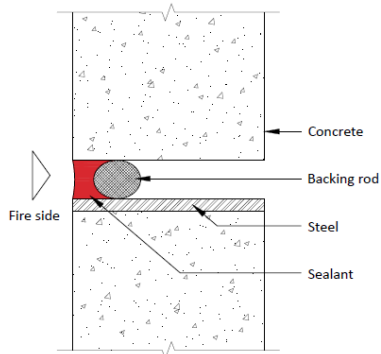
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - Steel	EI 60 E 90 – H – X – F – W 12-50

Sikasil®-670 Fire	Annex A9 of European Technical Assessment ETA-20/1114
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Fig. A18. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A18 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - Steel	EI 60 E 90 – H – X – F – W 12-50

Sikasil®-670 Fire	Annex A10 of European Technical Assessment ETA-20/1114
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**8 LÄMPLIG TEKNISK DOKUMENTATION OCH/ELLER
SÄRSKILD TEKNISK DOKUMENTATION**

Prestandan för ovanstående produkt överensstämmer med den angivna prestandan.
Denna prestandadeklaration har utfärdats i enlighet med förordning (EU) nr 305/2011
på eget ansvar av den tillverkare som anges ovan.

Undertecknad på tillverkarens vägnar av:

Namn: Daniel Jonsson
Funktion: VD
Spånga den 06 januari 2025



Namn: Jörgen Backman
Funktion: Produktchef
Spånga den 06 januari 2025



Slut på information som krävs enligt förordning (EU) nr. 305/2011

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FULL CE MARKING

 14
Sika Services AG, Zurich, Switzerland
46913884
EAD 350141-00-1106:2017
1488, 2812
Fire stopping and fire sealing products, linear joint and gap seals

7.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Class E
Resistance to fire	Annex A

7.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Durability	Use category: Type X
Movement capability	Movement capability $\leq 25\%$

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Additional provisions

- Sikasil®-670 Fire shall be applicable only to straight parallel edge surfaces of linear joints or gaps.
- Possible orientation of the linear joint seals is presented in fig. A1 and Table A1.

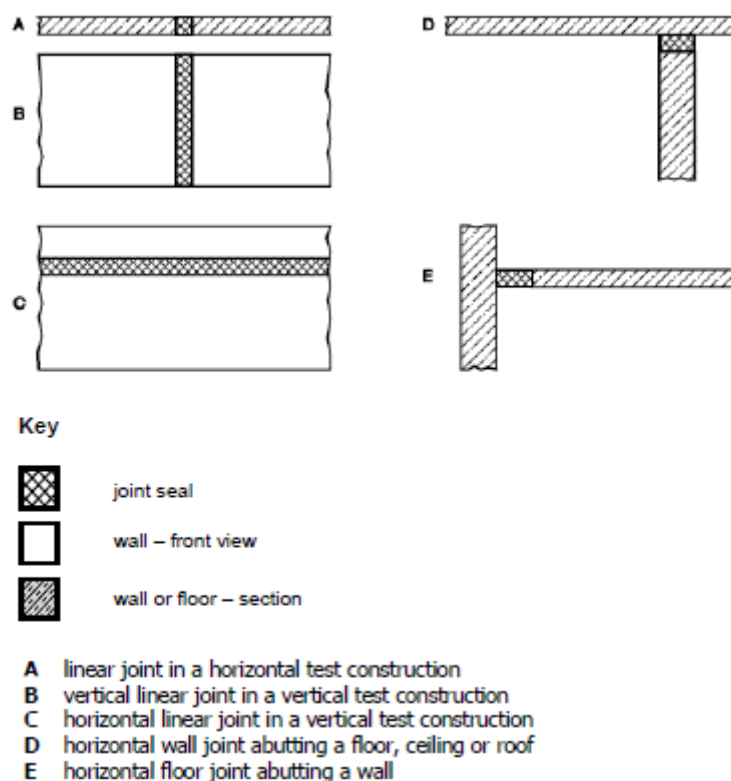


Fig. A1. Possible orientation of linear joint seals

Table A1

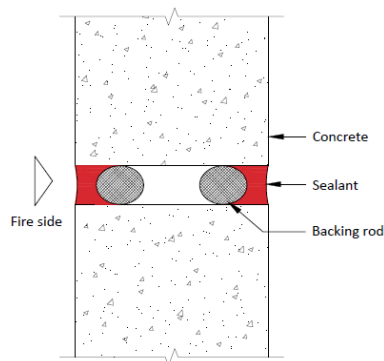
Seal type tested orientation	Possible orientation in accordance with fig. A1
A	A, D, E ^a
B	B
C	C, D ^b
^a Orientation E will only be covered by test orientation A if shear movement was chosen and one face of the joint was fixed and the other was moved. ^b Orientation D will only be covered by test orientation C if shear movement was chosen and one face of the joint was fixed and the other was moved.	

Sikasil®-670 Fire	Annex A1 of European Technical Assessment ETA-20/1114
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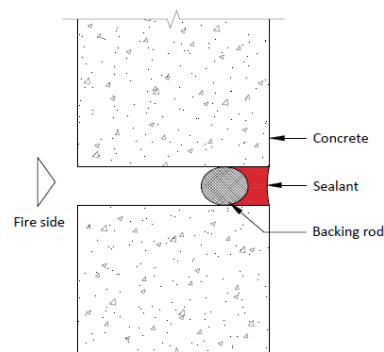
Fig. A2. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A2 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - AAC	EI 240 – V – 25 – F – W 12-50
		EI 240 – V – X – F – W 12-50

Fig. A3. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A3 and Annex A1:

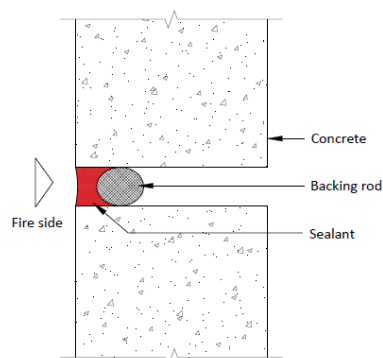
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
15	AAC - AAC	EI 45 E 180 – V – 25 – F – W 0-30
width x 0.5		EI 30 E 240 – V – 25 – F – W 12-50
		EI 60 E 240 – V – X – F – W 12-50

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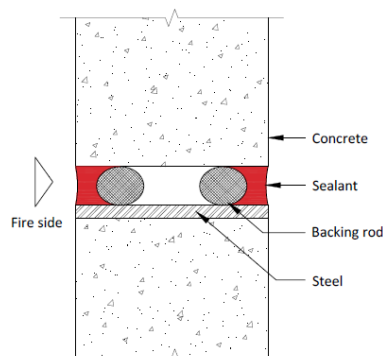
Fig. A4. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A4 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
15	AAC - AAC	EI 45 E 60 – V – 25 – F – W 10-30
width x 0.5		EI 45 E 60 – V – 25 – F – W 30-50
15		EI 60 E 240 – V – X – F – W 10-30
width x 0.5		EI 45 E 180 – V – X – F – W 30-50

Fig. A5. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A5 and Annex A1:

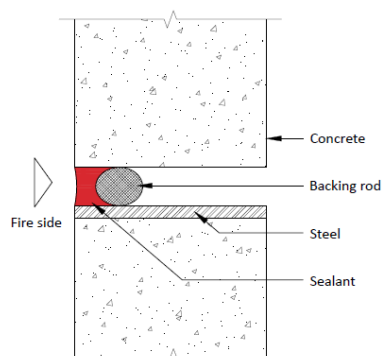
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Steel	EI 60 E 240 – V – X – F – W 12-30
		EI 90 E 240 – V – X – F – W 30-50

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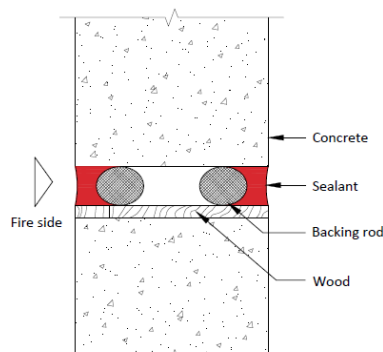
Fig. A6. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A6 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Steel	EI 15 E 240 – V – X – F – W 12-50

Fig. A7. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A7 and Annex A1:

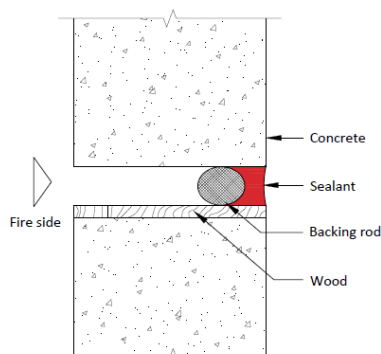
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Softwood	EI 120 – V – X – F – W 12-50

Sikasil®-670 Fire	Annex A4 of European Technical Assessment ETA-20/1114
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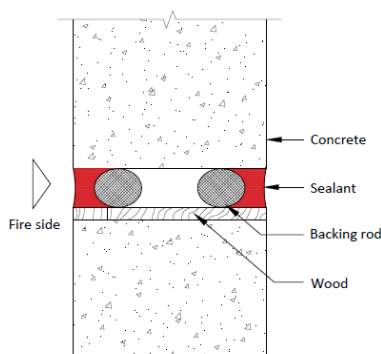
Fig. A8. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A8 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Softwood	EI 90 – V – X – F – W 12-50

Fig. A9. Vertical linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A9 and Annex A1:

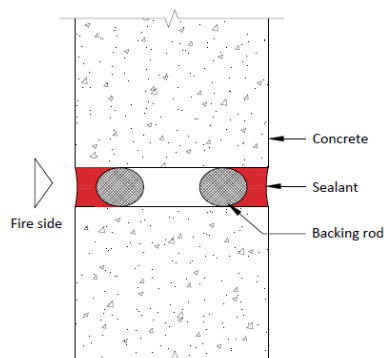
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - Hardwood	EI 180 – V – X – F – W 12-30
		EI 240 – V – X – F – W 30-50

Sikasil®-670 Fire	Annex A5 of European Technical Assessment ETA-20/1114
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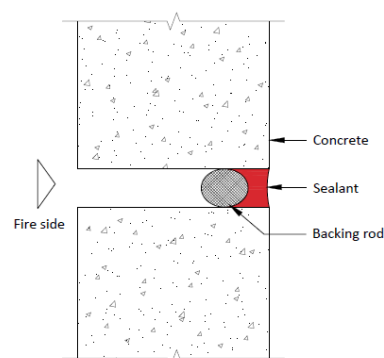
Fig. A10. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A10 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - AAC	EI 180 E 240 – T – 25 – F – W 12-50
		EI 240 – T – X – F – W 12-50

Fig. A11. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A11 and Annex A1:

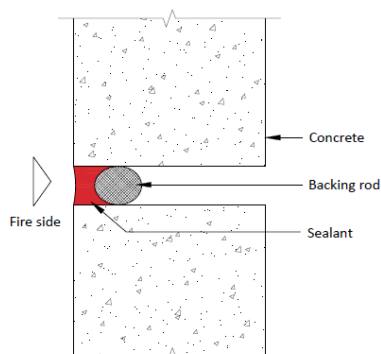
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.5	AAC - AAC	EI 60 E 120 – T – 25 – F – W 12-50
		EI 60 E 240 – T – X – F – W 12-50

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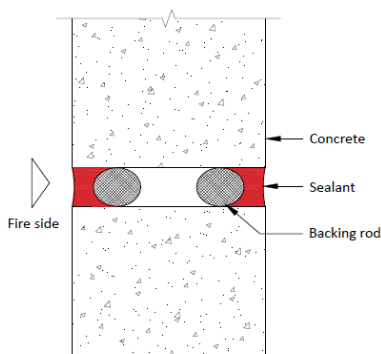
Fig. A12. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid wall thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid wall, in accordance with fig. A12 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
15	AAC - AAC	EI 45 E 60 – T – 25 – F – W 10-30
width x 0.5		EI 45 E 60 – T – 25 – F – W 30-50
15		EI 60 E 180 – T – X – F – W 10-30
width x 0.5		EI 60 E 90 – T – X – F – W 30-50

Fig. A13. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A13 and Annex A1:

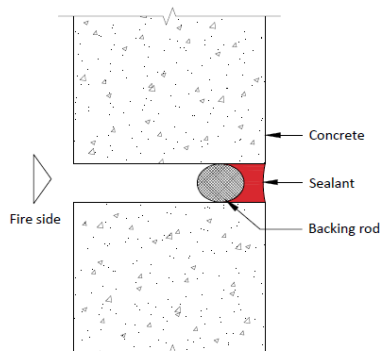
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - AAC	EI 180 E 240 – H – 25 – F – W 12-50
		EI 240 – H – X – F – W 12-50

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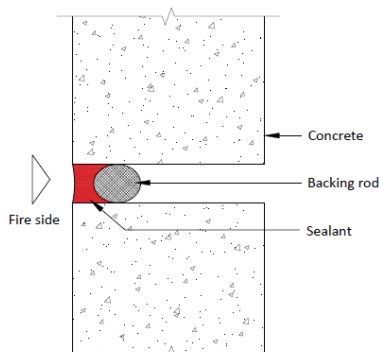
Fig. A14. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A14 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - AAC	EI 60 E 240 – H – 25 – F – W 12-50
width x 0.5		EI 120 E 240 – H – X – F – W 12-30
		EI 60 E 240– H – X – F – W 30-50

Fig. A15. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A15 and Annex A1:

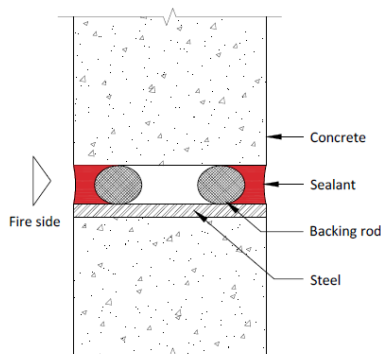
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - AAC	EI 60 E 90 – H – 25 – F – W 12-50
		EI 60 E 60 – H – X – F – W 30-50

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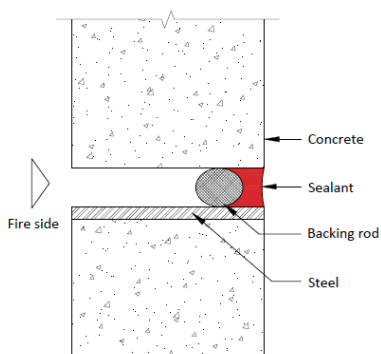
Fig. A16. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Double Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A16 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - Steel	EI 60 E 240 – H – X – F – W 12-50

Fig. A17. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A17 and Annex A1:

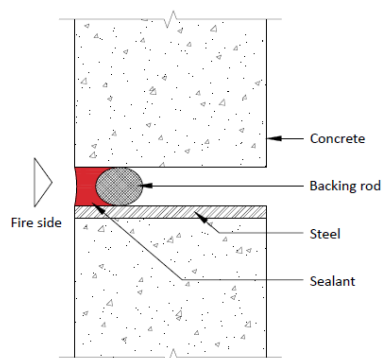
Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - Steel	EI 60 E 90 – H – X – F – W 12-50

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Fig. A18. Horizontal linear joint seal of Sikasil®-670 Fire with PE Backing Rod in rigid floor thickness of ≥ 150 mm (Single Seal).



Resistance to fire classification of linear joint seal in rigid floor, in accordance with fig. A18 and Annex A1:

Sikasil®-670 Fire depth, mm	Substrates	Fire resistance class
width x 0.8	AAC - Steel	EI 60 E 90 – H – X – F – W 12-50

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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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EAD 350141-00-1106:2017
1488, 2812
Fire stopping and fire sealing products, linear joint and gap seals
For details see accompanying documents

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EKOLOGI, HÄLSA OCH SÄKERHETSINFORMATION (REACH)

För information och råd om säker hantering, lagring och avfallshantering av kemiska produkter, ska användarna konsultera det senaste säkerhetsdatabladet (SDB) innehållande fysiska, ekologiska, toxikologiska och annan säkerhetsrelaterad information.

LAGSTIFTNING

Informationen och i synnerhet rekommendationerna avseende applikation och slutanvändning av Sikaprodukterna lämnas i god tro baserat på Sikas nuvarande kunskap och erfarenhet av produkterna när dessa lagras, hanteras och används under normala förhållanden på ett korrekt sätt. I praktiken kan differenserna i material, underlag och den aktuella platsen variera på sådant sätt att ingen garanti vad gäller användbarhet eller lämplighet för ett visst ändamål kan lämnas. Med hänsyn härtill kan något rättsligt ansvar av vad slag det må vara varken härledas från denna information eller från någon skriftlig rekommendation eller i övrigt beträffande produkten lämnade råd. Hänsyn måste vid användningen även tas till tredje mans ägande och andra eventuella rättigheter. Alla order accepteras under förutsättningen av att Sikas aktuella försäljnings- och leveransbestämmelser är gällande. Användaren skall alltid använda sig av den senaste utgåvan av den aktuella produktens tekniska datablad, vilket kan erhållas vid förfrågan eller på hemsidan www.sika.se.

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Sika Sverige AB
Domnarvsgatan 15
16353 Spånga
Sverige
www.sika.se

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