

Sika Boom[®]-420 Fire

YTELSESERKLÆRING

Nr. 57696822

| | | |
|----|---|---|
| 1 | PRODUKTYPENS ENTYDIGE IDENTIFIKASJONSKODE: | 57696822 |
| 2 | TILSIKTET BRUKSOMRÅDE: | ETA 19/0796/ EAD 350141-00-1106:2017 Fire Stopping, Fire Sealing & Fire Protective Products. Fire Retardant Products |
| 3 | FABRIKANT: | Sika Services AG Tüffenwies 16-22 8064 Zürich |
| 4 | OPPNEVNT REPRESENTANT: | |
| 5 | SYSTEM FOR VURDERING OG KONTROLL AV YTEEVNE: | System 1 |
| 6b | EUROPEISK BEDØMMELSESDOKUMENT: | EAD 350141-00-1106, Firestopping and Fire Sealing Products: Linear joint and gap seals, issued September 2017 |
| | Europeisk teknisk bedømmelse: | ETA 19/0796 of 2019/12/18 |
| | Teknisk bedømmelsesorgan: | Warrington Fire Testing and Certification Limited |
| | Tekniske kontrollorgan: | 1121, 2812 |

Declaration of Performance

Sika Boom[®]-420 Fire
57696822
2020.07 , ver. 02
1551

7 ANGITT YTELSE

3 Performance Of The Product And References To The Methods Used For Its Assessment

| BWR | Characteristic | Assessment of characteristic |
|-----|--|------------------------------|
| 2 | Safety in case of fire | |
| | Reaction to fire | See Clause 3.1.1 |
| | Resistance to fire | See Clause 3.1.2 |
| 3 | Hygiene, Health and the Environment | |
| | Dangerous substances | See Clause 3.2.1 |
| 4 | Safety and Accessibility in use | |
| | Durability and serviceability | See Clause 3.3.1 |

3.1 Safety In Case Of Fire

3.1.1 Reaction To fire

System Sika Boom®-420 Fire is classified 'E' in accordance with EN 13501-1.

3.1.2 Resistance To fire

System Sika Boom®-420 Fire has been tested in accordance with EN 1366-4: 2006 + A1: 2010 based upon the test results and the field of direct application specified within EN 1366-4: 2006 + A1: 2010, the SIKA BOOM® - 420 FIRE has been classified in accordance with EN 13501-2, as given in Annex C:

The Sika Boom®-420 Fire seals may only be used in the elements of construction described in Annex C and against the substrates described in Annex C.

Provisions shall be taken such that floor joint seals cannot be stepped on e.g. by covering with wire mesh or floor finishes.

3.2 Hygiene, Health And The Environment

3.2.1 Dangerous Substances

The applicant has presented a declaration that Sika Boom®-420 Fire does not contain any substance of high concern with regards to REACH Regulations (EC) No 1907/2006 and the CLP regulation (EC) No 1272/2008 (the European GHS regulation) and are compliant with the requirements reference to <http://ec.europa.eu/enterprise/construction/cpd-ds/index.cfm>

Confirmation has further been declared that:

- Sika Boom®-420 Fire does not contain 0.1% (w/w) or more of any substance listed in the most recent Candidate List of substances of very high concern for Authorisation, published by the European Chemicals

Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551

Agency ECHA on the 15.01.2019. The duty is respected to follow the development of new entries of the list and to duly inform customers, should it occur for a substance contained within the product.

- It does not contain 0.1% (w/w) or more of any substance listed in the most recent version of the Authorisation List (annex XIV of the REACH regulation) published by the European Chemicals Agency ECHA on the 14.05.2019.
- Its hazard classification is compliant with the requirements of the CLP regulation with all adaptations to the technical progress (ATP) up to the 13th ATP of 04.10.2018.
- For one of its components (Diisocyanate) a restriction (requiring safety measures) is part of the annex XVII of the REACH regulation. Its requirements are fully implemented.
- Its Safety Data Sheet is compliant with the requirements of the annex 2 of REACH regulation, updated by the regulation (EU) 2015/830 (of 28.05.2015). It is being applied correctly in order to fulfil the communication duties towards the customers.

All dangerous chemical substances are below the classification limits of 67/548/EEC.

In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

3.3 Safety and Accessibility In Use

3.3.1 Durability And Serviceability

Sika Boom[®]-420 Fire has been tested in accordance with EOTA Technical Report - TR024 – Edition November 2006, for the type Y2 use category specified in EAD 350141-00-1106, and the results of the tests have demonstrated suitability for penetration seals intended for use at temperatures below 0°C, but with no exposure to rain or UV radiation.

Declaration of Performance

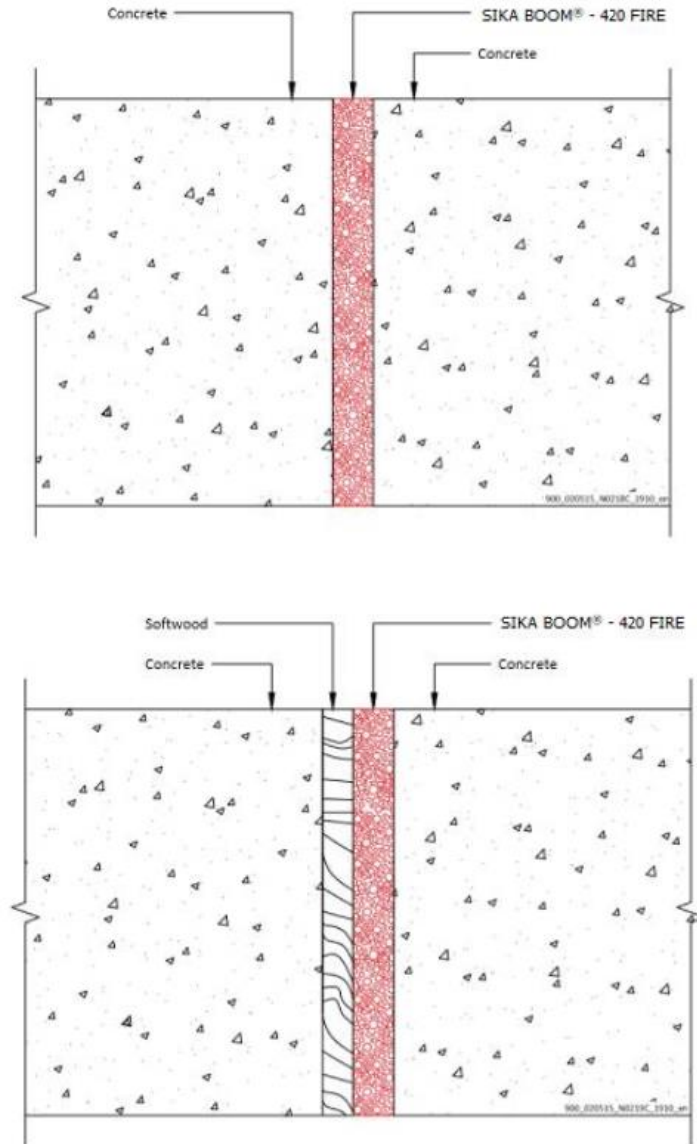
Sika Boom[®]-420 Fire
57696822
2020.07 , ver. 02
1551

Annex C

Resistance to Fire Classification of SIKA BOOM® - 420 FIRE

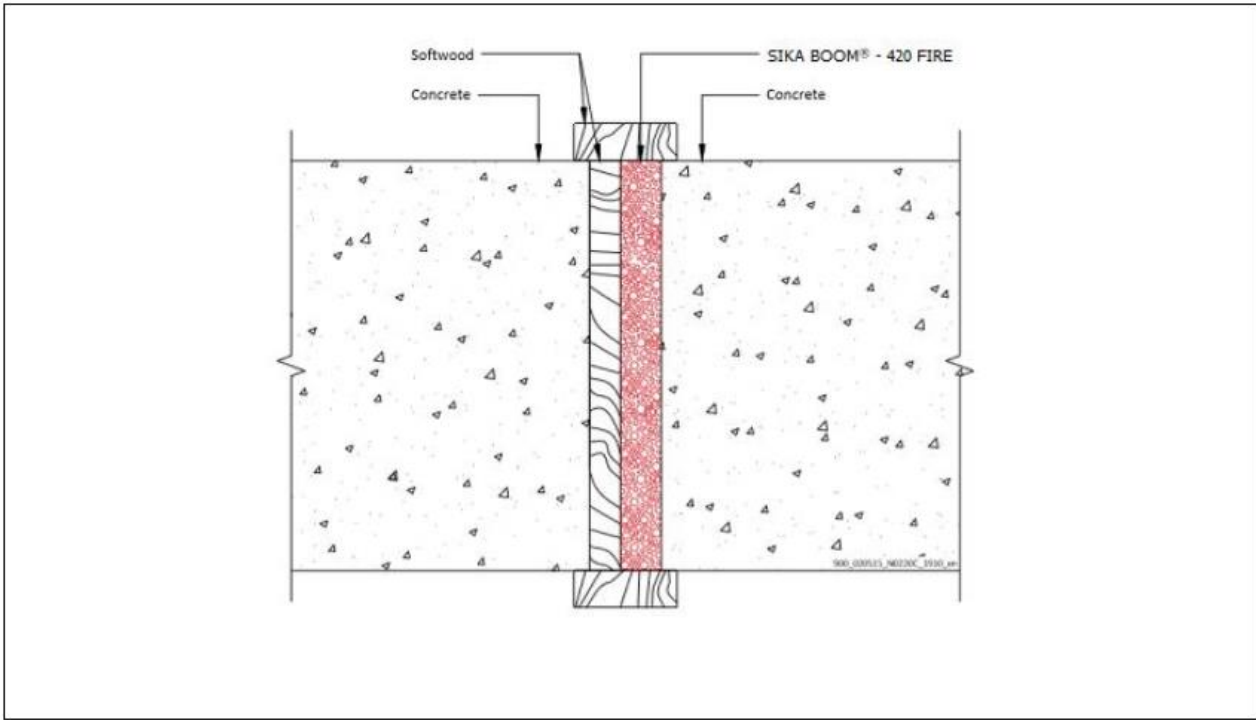
- C.1 Rigid floor constructions according to section 2 with floor thickness of minimum 200 mm
- C.1.1 Linear joint or gap seal, horizontally orientated with foam seal to the full 200 mm depth.

Construction details:



Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551



C.1.1.1

| SIKA BOOM® - 420 FIRE Linear Joint Seals in 200 mm thick Rigid Floors. | | | |
|---|-------------------|------------------------|------------------------------------|
| Substrates | Seal Depth | Applicator type | Classification |
| AAC/AAC | 200 mm | Gun / Nozzle | EI 90 – H – X – F – W 0-20 |
| | | Gun / Nozzle | EI 120 – H – X – F – W 0-10 |
| | | Nozzle | EI 120 – H – X – F – W 0-20 |
| AAC/Softwood Timber | 200 mm | Gun / Nozzle | EI 120 – H – X – F – W 0-20 |
| AAC/Softwood with 50 x 18 mm Softwood architrave on both sides | 200 mm | Gun / Nozzle | EI 120 – H – X – F – W 0-20 |

*AAC- Aerated Concrete

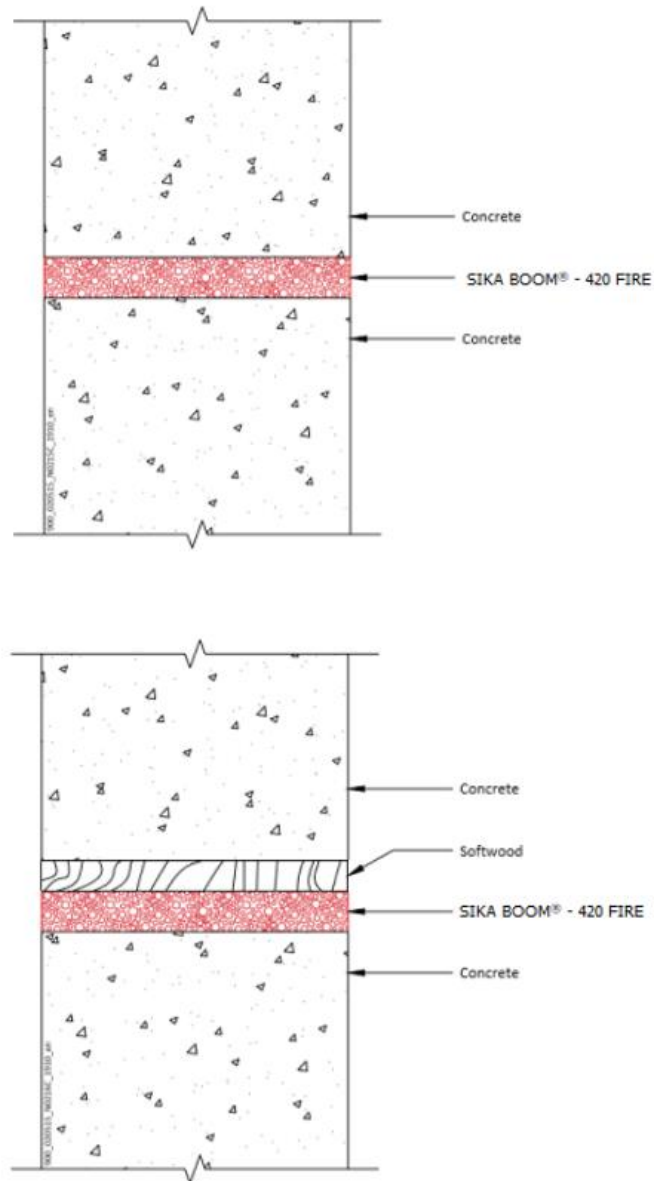
Declaration of Performance

Sika Boom®-420 Fire
 57696822
 2020.07 , ver. 02
 1551

C.2 Rigid wall constructions according to section 2 with wall thickness of minimum 150 mm

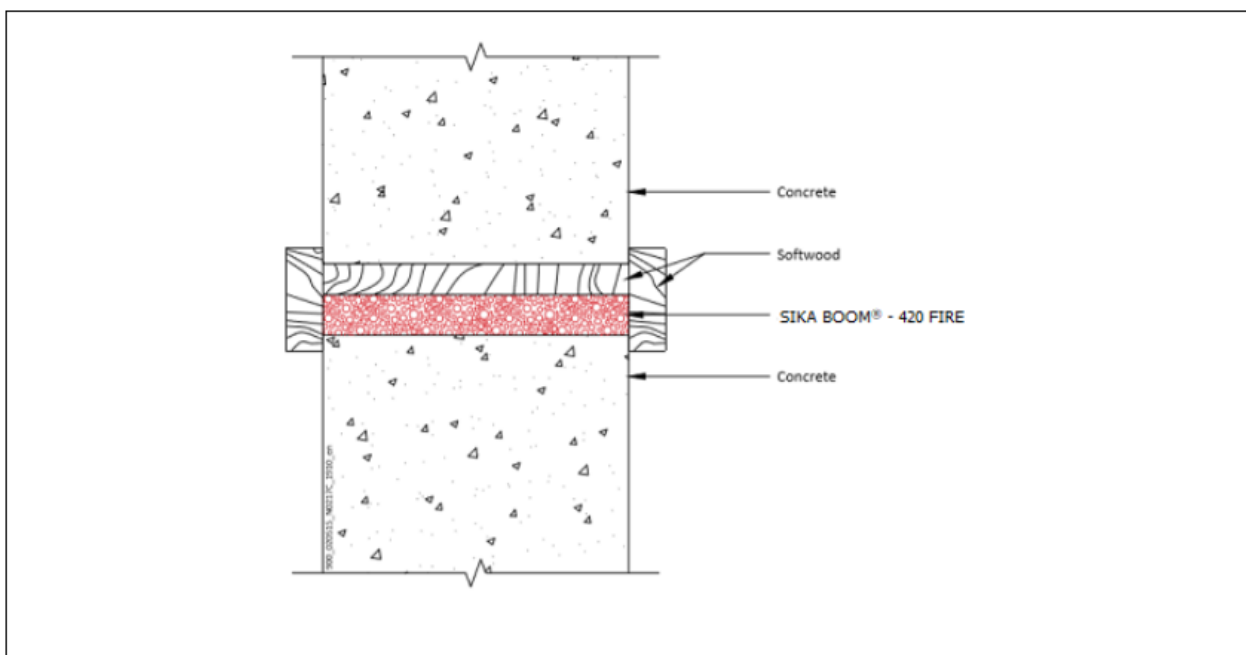
C.2.1 Linear joint or gap seal, vertically or horizontally orientated (in a wall construction) with sealant to the full 150 mm depth of the wall.

Construction details:



Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551



C.2.1.1

| SIKA BOOM® - 420 FIRE Linear Joint Seals in 150 mm thick Rigid Walls. | | | |
|---|------------|-----------------|-----------------------------|
| Substrates | Seal Depth | Applicator type | Classification |
| AAC/AAC | 150 mm | Gun / Nozzle | EI 60 – V – X – F – W 0-20 |
| | | Gun / Nozzle | EI 180 – V – X – F – W 0-10 |
| | | Gun / Nozzle | EI 60 – T – X – F – W 0-20 |
| AAC/Softwood Timber | 150 mm | Gun / Nozzle | EI 120 – V – X – F – W 0-20 |
| | | Gun / Nozzle | EI 120 – T – X – F – W 0-20 |
| AAC/Softwood with 50 x 18 mm Softwood architrave on both sides | 150 mm | Gun / Nozzle | EI 90 – V – X – F – W 0-20 |
| | | Gun / Nozzle | EI 120 – T – X – F – W 0-20 |

*AAC- Aerated Concrete

8 RELEVANT TEKNISK DOKUMENTASJON OG/ELLER SPESIFIKK TEKNISK DOKUMENTASJON

Ytelsen for varen som angitt i pkt. 1 og 2, er i samsvar med ytelsen angitt i pkt. 7. Denne ytelseserklæringen er utstedt i samsvar med forskrift (EU) nr. 305/201 på eget ansvar av produsenten, som angitt i pkt. 3.

Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551

Undertegnet for og på vegne av produsenten av:

Navn: Ralph Spielmann
Funksjon: General Manager
Sika Norge AS
Sted Skjetten dato: 27. juli 2020

Navn : Ingrid Kalstad
Funksjon: Technical Manager -
Sealing & Bonding
Sted Skjetten dato: 27. juli 2020



Ovenstående informasjon i samsvar med krav i EU-forordning nr. 305/2011

Declaration of Performance

Sika Boom[®]-420 Fire
57696822
2020.07 , ver. 02
1551

FULL CE MARKING

| |
|---|
|  19 |
| Sika Services AG, Zurich, Switzerland |
| 57696822 |
| EAD 350141-00-1106:2017 |
| 1121, 2812 |
| Fire Stopping, Fire Sealing & Fire Protective Products. Fire Retardant Products |

3 Performance Of The Product And References To The Methods Used For Its Assessment

| BWR | Characteristic | Assessment of characteristic |
|-----|--|------------------------------|
| 2 | Safety in case of fire | |
| | Reaction to fire | See Clause 3.1.1 |
| | Resistance to fire | See Clause 3.1.2 |
| 3 | Hygiene, Health and the Environment | |
| | Dangerous substances | See Clause 3.2.1 |
| 4 | Safety and Accessibility in use | |
| | Durability and serviceability | See Clause 3.3.1 |

3.1 Safety In Case Of Fire

3.1.1 Reaction To fire

System Sika Boom®-420 Fire is classified 'E' in accordance with EN 13501-1.

3.1.2 Resistance To fire

System Sika Boom®-420 Fire has been tested in accordance with EN 1366-4: 2006 + A1: 2010 based upon the test results and the field of direct application specified within EN 1366-4: 2006 + A1: 2010, the SIKa BOOM® - 420 FIRE has been classified in accordance with EN 13501-2, as given in Annex C:

The Sika Boom®-420 Fire seals may only be used in the elements of construction described in Annex C and against the substrates described in Annex C.

Provisions shall be taken such that floor joint seals cannot be stepped on e.g. by covering with wire mesh or floor finishes.

Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551

3.2 Hygiene, Health And The Environment

3.2.1 Dangerous Substances

The applicant has presented a declaration that Sika Boom®-420 Fire does not contain any substance of high concern with regards to REACH Regulations (EC) No 1907/2006 and the CLP regulation (EC) No 1272/2008 (the European GHS regulation) and are compliant with the requirements reference to <http://ec.europa.eu/enterprise/construction/cpd-ds/index.cfm>

Confirmation has further been declared that:

- Sika Boom®-420 Fire does not contain 0.1% (w/w) or more of any substance listed in the most recent Candidate List of substances of very high concern for Authorisation, published by the European Chemicals Agency ECHA on the 15.01.2019. The duty is respected to follow the development of new entries of the list and to duly inform customers, should it occur for a substance contained within the product.
- It does not contain 0.1% (w/w) or more of any substance listed in the most recent version of the Authorisation List (annex XIV of the REACH regulation) published by the European Chemicals Agency ECHA on the 14.05.2019.
- Its hazard classification is compliant with the requirements of the CLP regulation with all adaptations to the technical progress (ATP) up to the 13th ATP of 04.10.2018.
- For one of its components (Diisocyanate) a restriction (requiring safety measures) is part of the annex XVII of the REACH regulation. Its requirements are fully implemented.
- Its Safety Data Sheet is compliant with the requirements of the annex 2 of REACH regulation, updated by the regulation (EU) 2015/830 (of 28.05.2015). It is being applied correctly in order to fulfil the communication duties towards the customers.

All dangerous chemical substances are below the classification limits of 67/548/EEC.

In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

3.3 Safety and Accessibility In Use

3.3.1 Durability And Serviceability

Sika Boom®-420 Fire has been tested in accordance with EOTA Technical Report - TR024 – Edition November 2006, for the type Y2 use category specified in EAD 350141-00-1106, and the results of the tests have demonstrated suitability for penetration seals intended for use at temperatures below 0°C, but with no exposure to rain or UV radiation.

Declaration of Performance

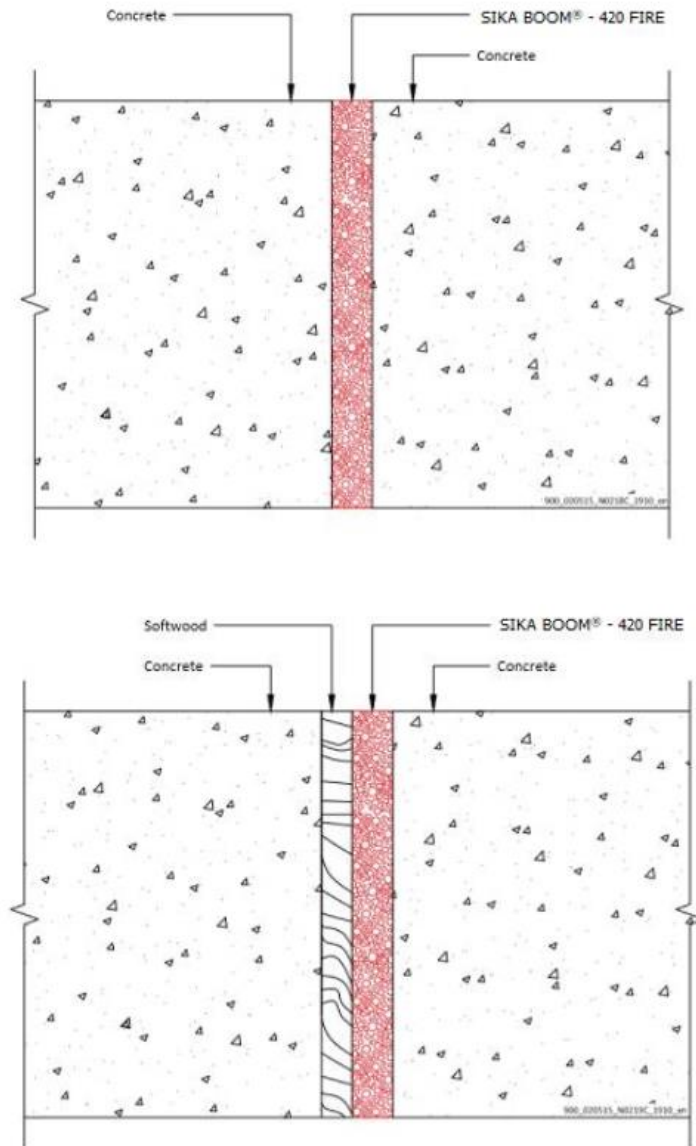
Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551

Annex C

Resistance to Fire Classification of SIKA BOOM® - 420 FIRE

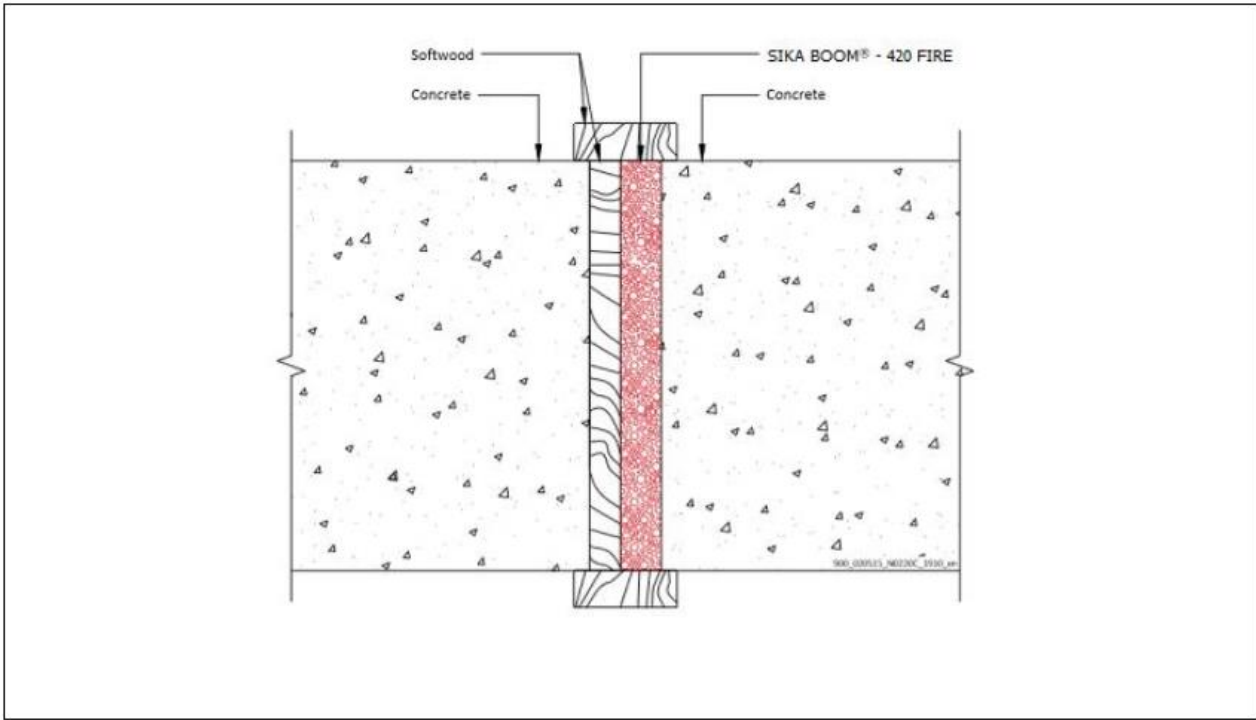
- C.1 Rigid floor constructions according to section 2 with floor thickness of minimum 200 mm
- C.1.1 Linear joint or gap seal, horizontally orientated with foam seal to the full 200 mm depth.

Construction details:



Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551



C.1.1.1

| SIKA BOOM® - 420 FIRE Linear Joint Seals in 200 mm thick Rigid Floors. | | | |
|---|-------------------|------------------------|------------------------------------|
| Substrates | Seal Depth | Applicator type | Classification |
| AAC/AAC | 200 mm | Gun / Nozzle | EI 90 – H – X – F – W 0-20 |
| | | Gun / Nozzle | EI 120 – H – X – F – W 0-10 |
| | | Nozzle | EI 120 – H – X – F – W 0-20 |
| AAC/Softwood Timber | 200 mm | Gun / Nozzle | EI 120 – H – X – F – W 0-20 |
| AAC/Softwood with 50 x 18 mm Softwood architrave on both sides | 200 mm | Gun / Nozzle | EI 120 – H – X – F – W 0-20 |

*AAC- Aerated Concrete

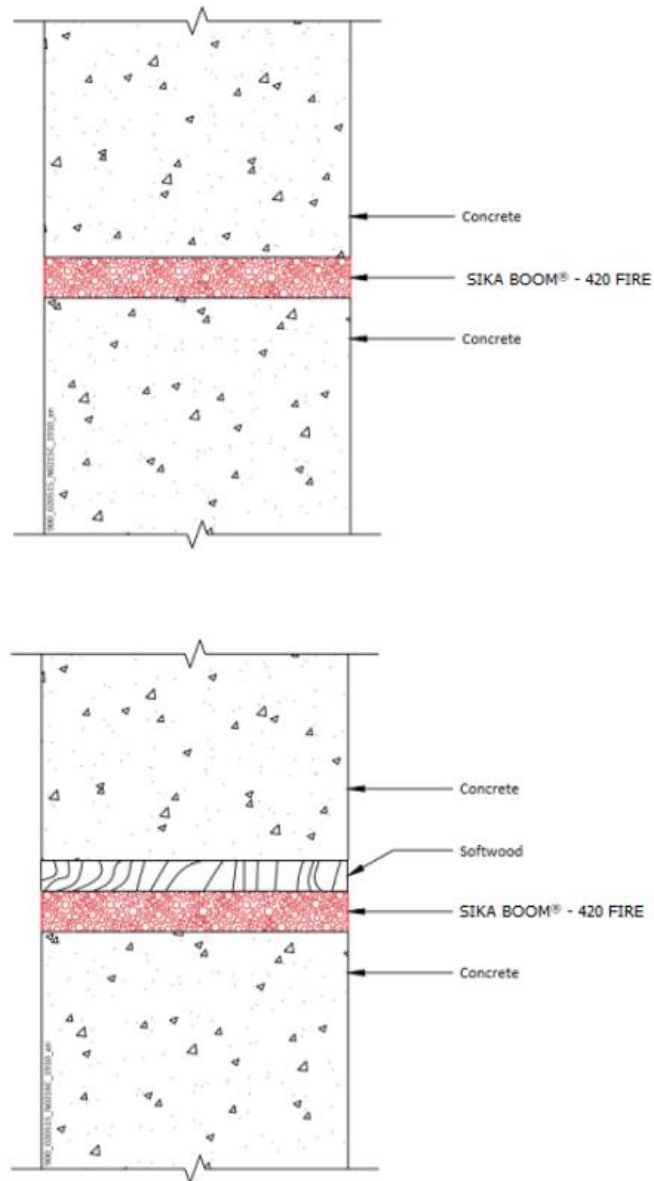
Declaration of Performance

Sika Boom®-420 Fire
 57696822
 2020.07 , ver. 02
 1551

C.2 Rigid wall constructions according to section 2 with wall thickness of minimum 150 mm

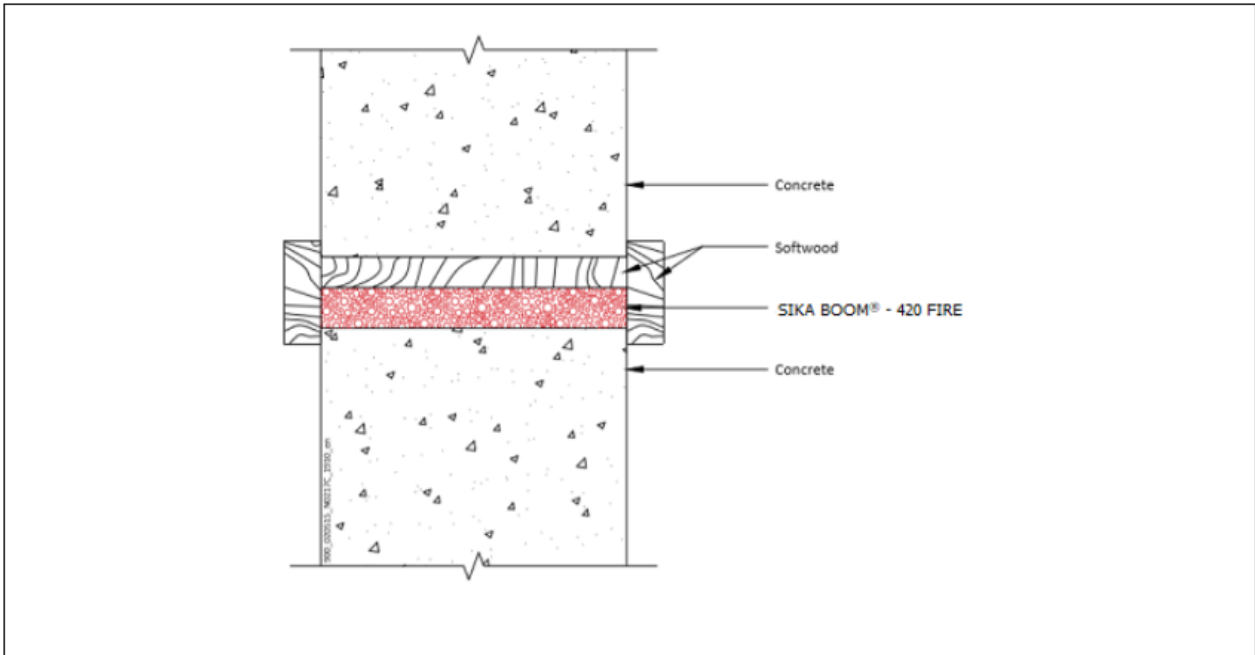
C.2.1 Linear joint or gap seal, vertically or horizontally orientated (in a wall construction) with sealant to the full 150 mm depth of the wall.

Construction details:



Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551



C.2.1.1

| SIKA BOOM® - 420 FIRE Linear Joint Seals in 150 mm thick Rigid Walls. | | | |
|--|-------------------|------------------------|------------------------------------|
| Substrates | Seal Depth | Applicator type | Classification |
| AAC/AAC | 150 mm | Gun / Nozzle | EI 60 – V – X – F – W 0-20 |
| | | Gun / Nozzle | EI 180 – V – X – F – W 0-10 |
| | | Gun / Nozzle | EI 60 – T – X – F – W 0-20 |
| AAC/Softwood Timber | 150 mm | Gun / Nozzle | EI 120 – V – X – F – W 0-20 |
| | | Gun / Nozzle | EI 120 – T – X – F – W 0-20 |
| AAC/Softwood with 50 x 18 mm Softwood architrave on both sides | 150 mm | Gun / Nozzle | EI 90 – V – X – F – W 0-20 |
| | | Gun / Nozzle | EI 120 – T – X – F – W 0-20 |

*AAC- Aerated Concrete

dop.sika.com

Declaration of Performance

Sika Boom®-420 Fire
 57696822
 2020.07 , ver. 02
 1551

CE MARKING TO BE PLACED ON THE LABEL

| |
|---|
|  19 |
| Sika Services AG, Zurich, Switzerland |
| 57696822 |
| EAD 350141-00-1106:2017 |
| 1121, 2812 |
| Fire Stopping, Fire Sealing & Fire Protective Products. Fire Retardant Products |
| For details see accompanying documents |
| dop.sika.com |

HELSE, MILJØ OG SIKKERHETS INFORMASJON (REACH)

Brukere skal alltid forholde seg til sist oppdaterte versjon av produktdatablad og HMS-datablad for det aktuelle produktet. Kopier av gjeldende versjoner finnes på Sika Norges nettsider: www.sika.no.

PRODUKTANSVAR:

Denne informasjonen og i særdeleshet anbefalingene i forbindelse med anvendelse av Sika-produkter er gitt i god tro, basert på Sikas inneværende kunnskap og erfaring med produktene når de er riktig lagret, behandlet og anvendt under normale forhold. I praksis vil forskjellene i materialer, underlag og lokale forhold være av en slik karakter at verken denne informasjonen, andre skriftlige anbefalinger eller noen annen form for råd kan innebære noen garanti med hensyn til det bearbejdede produktets omsetnings-potensial eller egnethet for et bestemt formål, ei heller noen annen form for juridisk ansvar. Tredjeparts eiendomsrett må respekteres. Enhver ordre aksepteres i henhold til Sikas gjeldende salgs- og leverings-betingelser. Brukere skal alltid forholde seg til sist oppdaterte versjon av produktdatablad og HMS-datablad for det aktuelle produktet. Kopier av gjeldende versjoner finnes på Sika Norges nettsider.

Declaration of Performance

Sika Boom®-420 Fire
57696822
2020.07 , ver. 02
1551

Sika Norge AS
Sanitetsveien 1
2013, Skjetten
Norway
www.sika.no

Declaration of Performance
Sika Boom[®]-420 Fire
57696822
2020.07 , ver. 02
1551

16/16

BUILDING TRUST

