

# Sika Boom<sup>®</sup>-420 Fire

## DECLARATION OF PERFORMANCE

### No. 79380055

|           |  |  |
|-----------|--|--|
| <b>1</b>  | <b>UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:</b> | 79380055   |
| <b>2</b>  | <b>INTENDED USE/S</b>                                  | ETA-20/1199/EAD 350141-00-1106:2017<br>Fire Stopping, Fire Sealing & Fire Protective Products. Fire Retardant Products |
| <b>3</b>  | <b>MANUFACTURER:</b>                                   | Sika Services AG<br>Tüffenwies 16-22<br>8064 Zürich  |
| <b>4</b>  | <b>AUTHORISED REPRESENTATIVE:</b>                      |  |
| <b>5</b>  | <b>SYSTEM/S OF AVCP:</b>                               | System 1   |
| <b>6b</b> | <b>EUROPEAN ASSESSMENT DOCUMENT:</b>                   | EAD 350141-00-1106, Firestopping and Fire Sealing Products: Linear joint and gap seals, issued September 2017          |
|           | European Technical Assessment:                         | ETA-20/1199 of 2020/12/18  |
|           | Technical Assessment Body:                             | Element Materials Technology Rotterdam B.V.  |
|           | Notified body/ies:                                     | 2812   |

#### Declaration of Performance

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## 7 DECLARED PERFORMANCE/S

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

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

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- 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<sup>®</sup>-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**

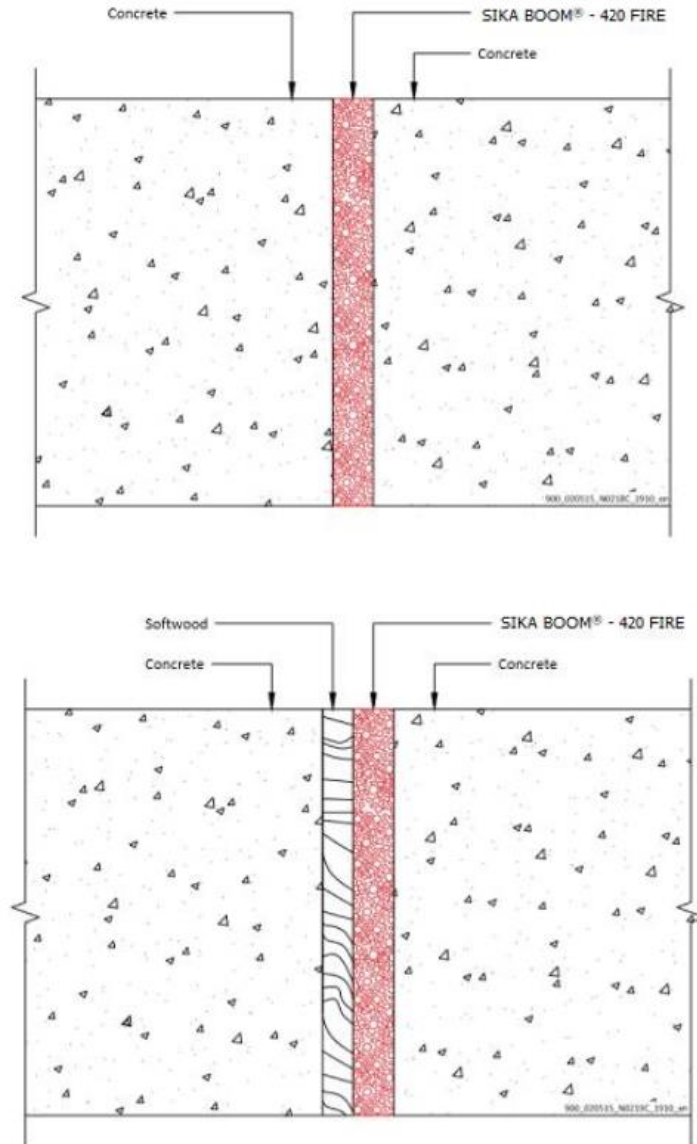
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## Annex C

### Resistance to Fire Classification of SIKA BOOM® - 420 FIRE

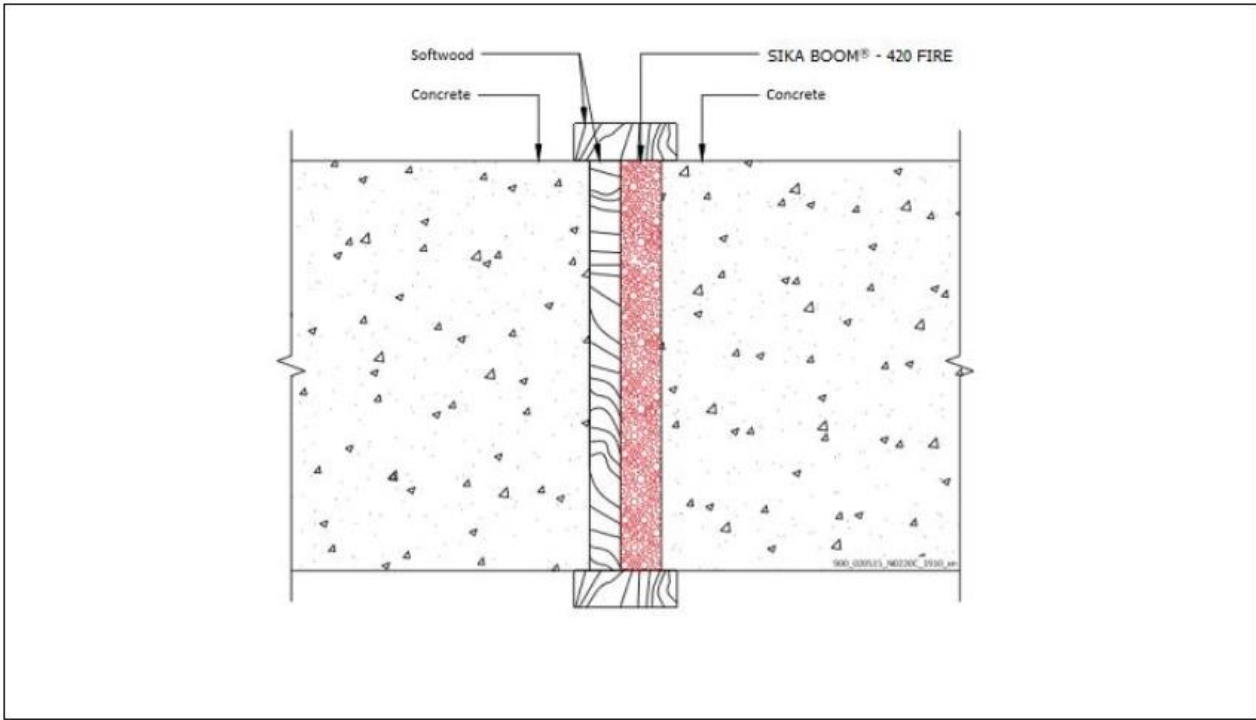
- C.1 Rigid floor constructions according to section 2 with floor thickness of minimum 200 mm
- C.1.1 Linear joint or gap seal, horizontally orientated with foam seal to the full 200 mm depth.

Construction details:



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**C.1.1.1**

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

\*AAC- Aerated Concrete

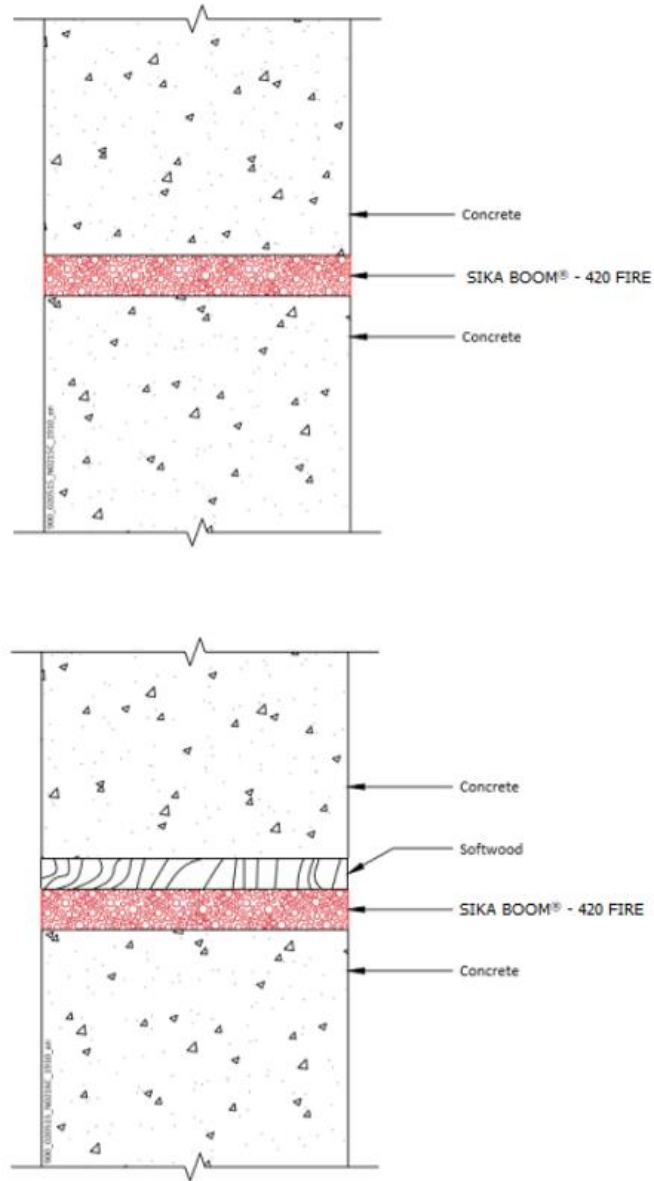
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C.2 Rigid wall constructions according to section 2 with wall thickness of minimum 150 mm

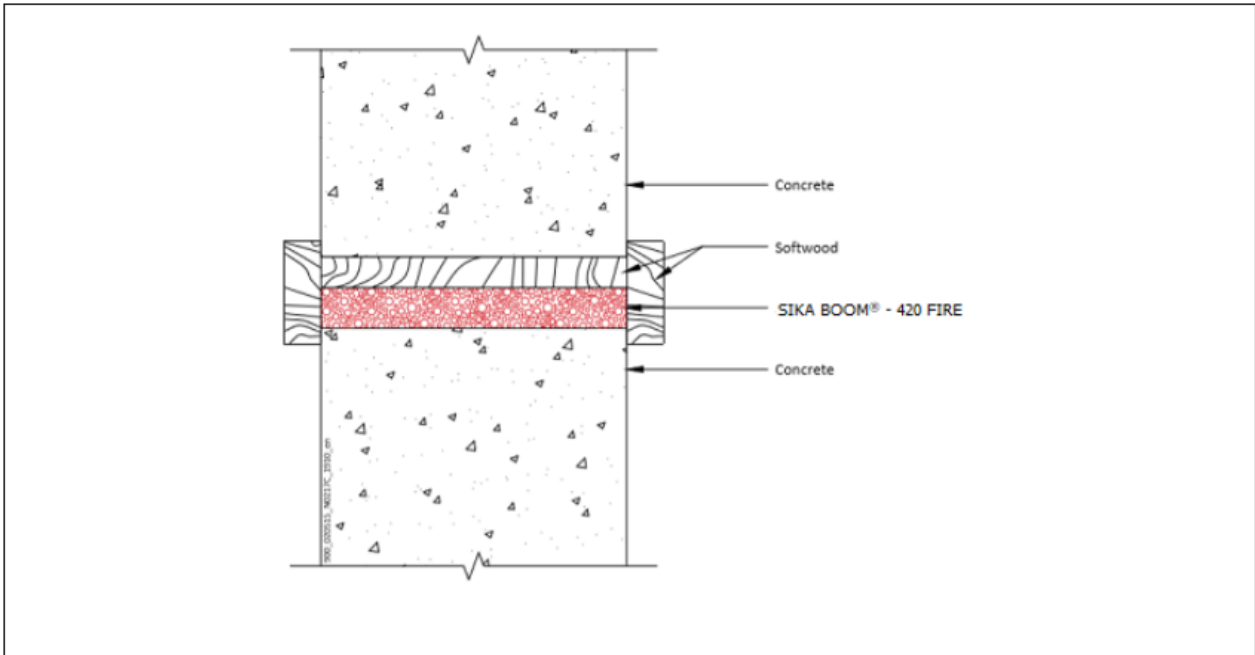
C.2.1 Linear joint or gap seal, vertically or horizontally orientated (in a wall construction) with sealant to the full 150 mm depth of the wall.

Construction details:



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**C.2.1.1**

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

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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:

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Name: Anders Beier  
Function: General Manager  
At Farum on 15 June 2021



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Name: Jens Berger  
Function: Head Specialized Applicators  
At Farum on 15 June 2021



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

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## FULL CE MARKING

|   |
|---|
| <br>19 |
| Sika Services AG, Zurich, Switzerland   |
| 79380055  |
| EAD 350141-00-1106:2017   |
| 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

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|     | Reaction to fire                           | See Clause 3.1.1             |
|     | Resistance to fire                         | See Clause 3.1.2             |
| 3   | <b>Hygiene, Health and the Environment</b> |                              |
|     | Dangerous substances                       | See Clause 3.2.1             |
| 4   | <b>Safety and Accessibility in use</b>     |                              |
|     | Durability and serviceability              | See Clause 3.3.1             |

#### 3.1 Safety In Case Of Fire

##### 3.1.1 Reaction To fire

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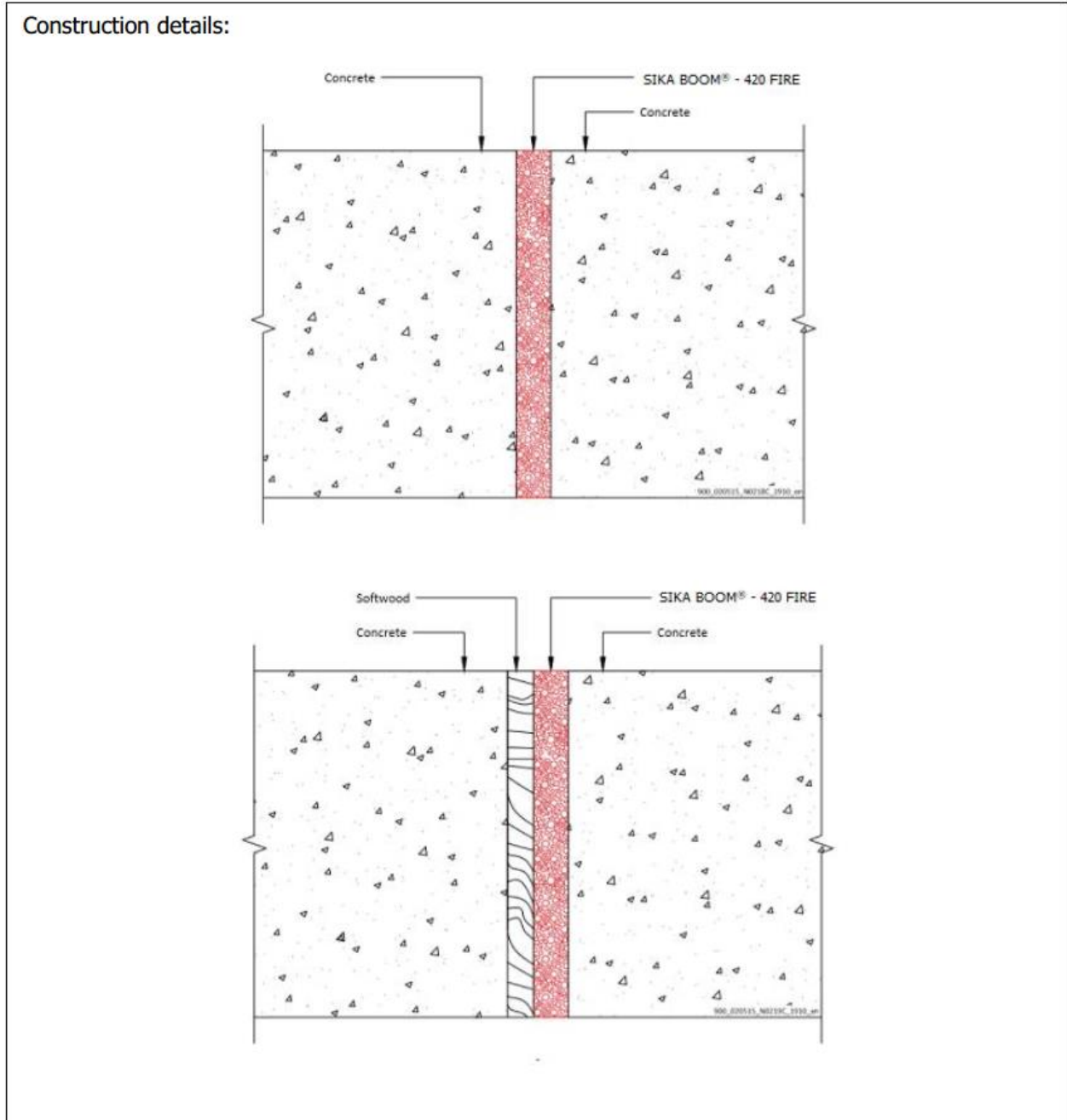
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## Annex C

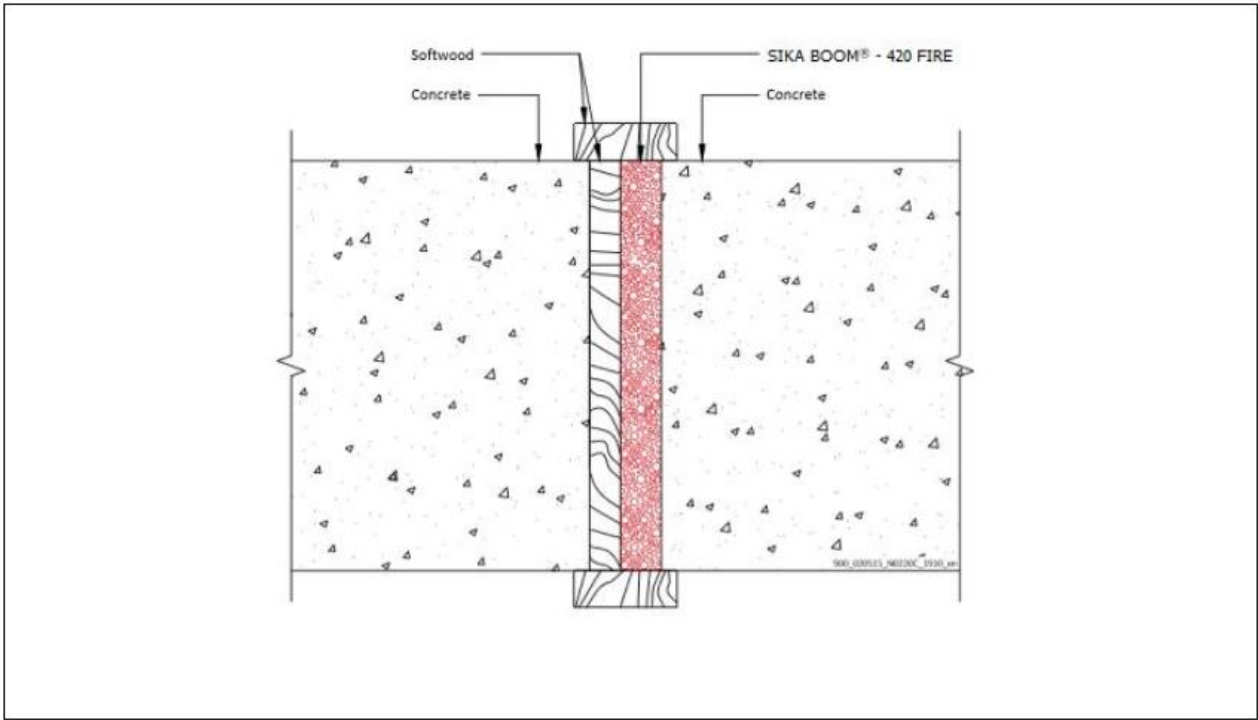
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**C.1.1.1**

| <b>SIKA BOOM® - 420 FIRE Linear Joint Seals in 200 mm thick Rigid Floors.</b> |                   |                        |                                    |
|---|-------------------|------------------------|------------------------------------|
| <b>Substrates</b>   | <b>Seal Depth</b> | <b>Applicator type</b> | <b>Classification</b>              |
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|   |                   | Nozzle                 | <b>EI 120 – H – X – F – W 0-20</b> |
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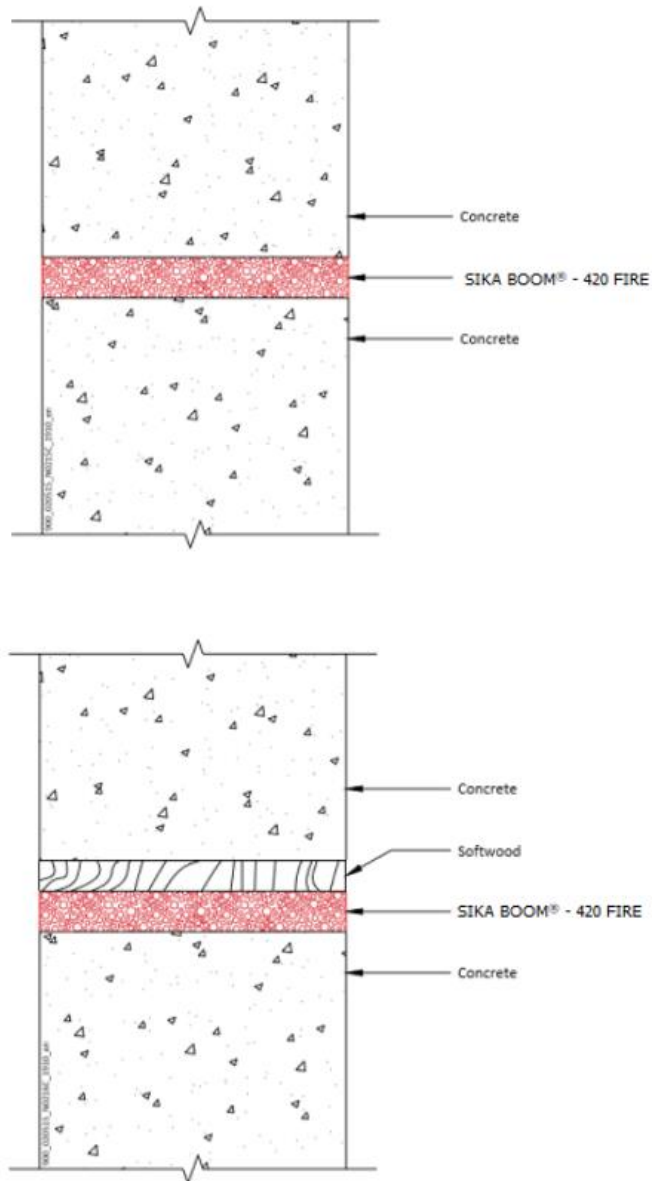
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C.2 Rigid wall constructions according to section 2 with wall thickness of minimum 150 mm

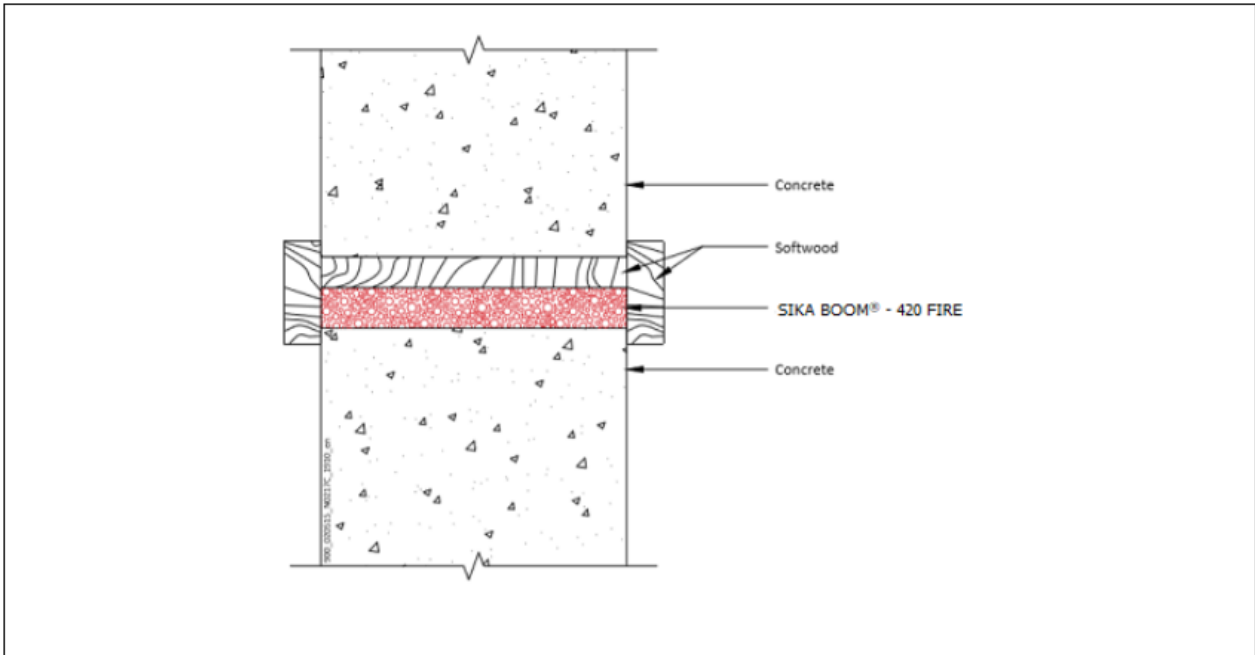
C.2.1 Linear joint or gap seal, vertically or horizontally orientated (in a wall construction) with sealant to the full 150 mm depth of the wall.

Construction details:



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**C.2.1.1**

| <b>SIKA BOOM® - 420 FIRE Linear Joint Seals in 150 mm thick Rigid Walls.</b> |                   |                        |                                    |
|--|-------------------|------------------------|------------------------------------|
| <b>Substrates</b>  | <b>Seal Depth</b> | <b>Applicator type</b> | <b>Classification</b>              |
| AAC/AAC  | 150 mm            | Gun / Nozzle           | <b>EI 60 – V – X – F – W 0-20</b>  |
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## CE MARKING TO BE PLACED ON THE LABEL

|   |
|---|
| <br>19 |
| Sika Services AG, Zurich, Switzerland   |
| 79380055  |
| EAD 350141-00-1106:2017   |
| 2812  |
| Fire Stopping, Fire Sealing & Fire Protective Products. Fire Retardant Products         |
| For details see accompanying documents  |
| <a href="http://dop.sika.com">dop.sika.com</a>  |

### 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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product have been given in good faith based on our own experiences and based of approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is effected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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**Sika Danmark A/S**  
Hirsemarken 5  
DK-3520 Farum  
Denmark  
[www.sika.dk](http://www.sika.dk)

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