

Sikacryl®-621 Fire

DECLARATION OF PERFORMANCE

No. 26054930

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	26054930
2	INTENDED USE/S	ETA 18/1051/ EAD 350141-00-1106:2017 Fire stopping and fire 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 350141-00-1106:2017
	European Technical Assessment:	ETA 18/1051
	Technical Assessment Body:	Warrington Fire Testing and Certification Limited
	Notified body/ies:	1121

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7 DECLARED PERFORMANCE/S

The assessment of fitness for use has been made in accordance with EAD 350141-00-1106

Product Type: Sealant		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	No performance determined
EN 13501-2	Resistance to fire	Annex A
BWR 3 Hygiene, Health and the Environment		
EN 1026:2000	Air permeability	See section 3.3
EAD 350141-00-1106	Water permeability	No performance determined
Declaration by manufacturer	Release of dangerous substances	Use category IA3, 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	BS EN 10142-2: Rw (C;Ctr)= 38(-2;-7)
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	Z ₁
BWR 7 Sustainable use of natural resources		
		No performance determined

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3.3 Air permeability

System Sikacryl®-621 Fire has been tested in accordance with BS EN 1314-1 to provide the following results:

Product tested			Sikacryl®-621 Fire	
	Results under positive chamber pressure		Results under negative chamber pressure	
Pressure (Pa)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)
50	0,0	0,0	0,0	0,0
100	0,0	0,0	0,0	0,0
150	0,0	0,0	0,1	2,8
200	0,0	0,0	0,1	2,8
250	0,0	0,0	0,1	2,8
300	0,0	0,0	0,0	0,0
450	0,1	2,8	0,1	2,8
600	0,1	2,8	0,1	2,8

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Annex A
Resistance to Fire Classification of Sikacryl®-621 Fire

Orientation

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

Table 1

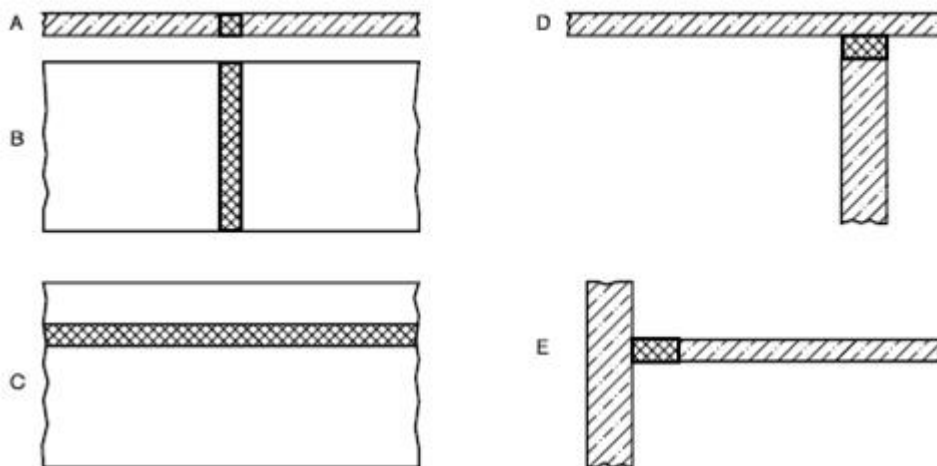
Tested orientation	Application
A	A, D, E ^a
B	B
C	C, D ^b

^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



Key

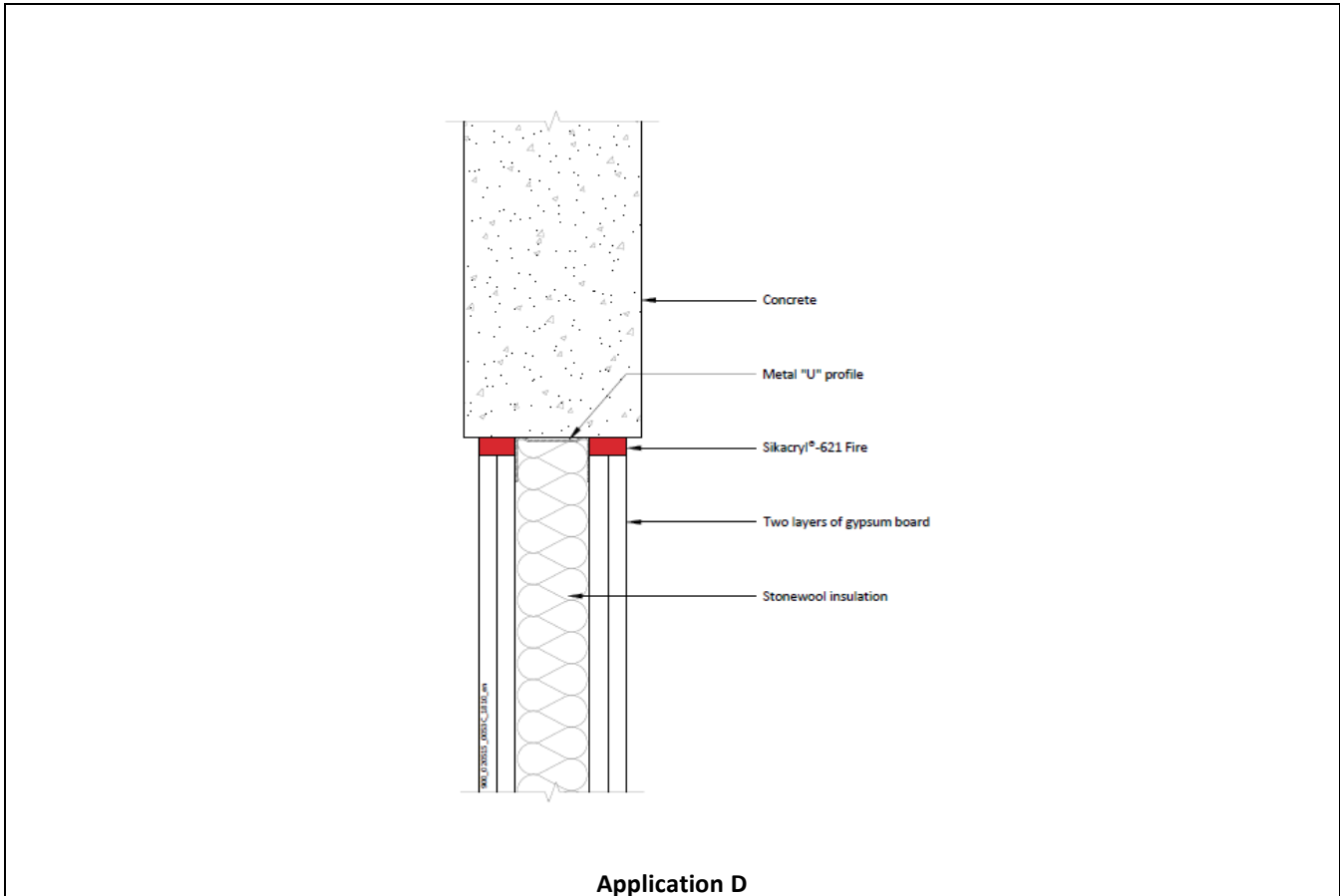
-  joint seal
-  wall – front view
-  wall or floor – section

- 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

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A1.1 Sikacryl®-621 Fire. Min 120 mm Thick – Sealing of Drywall Head Track-Sealant Flush To Both Faces Of The Wall



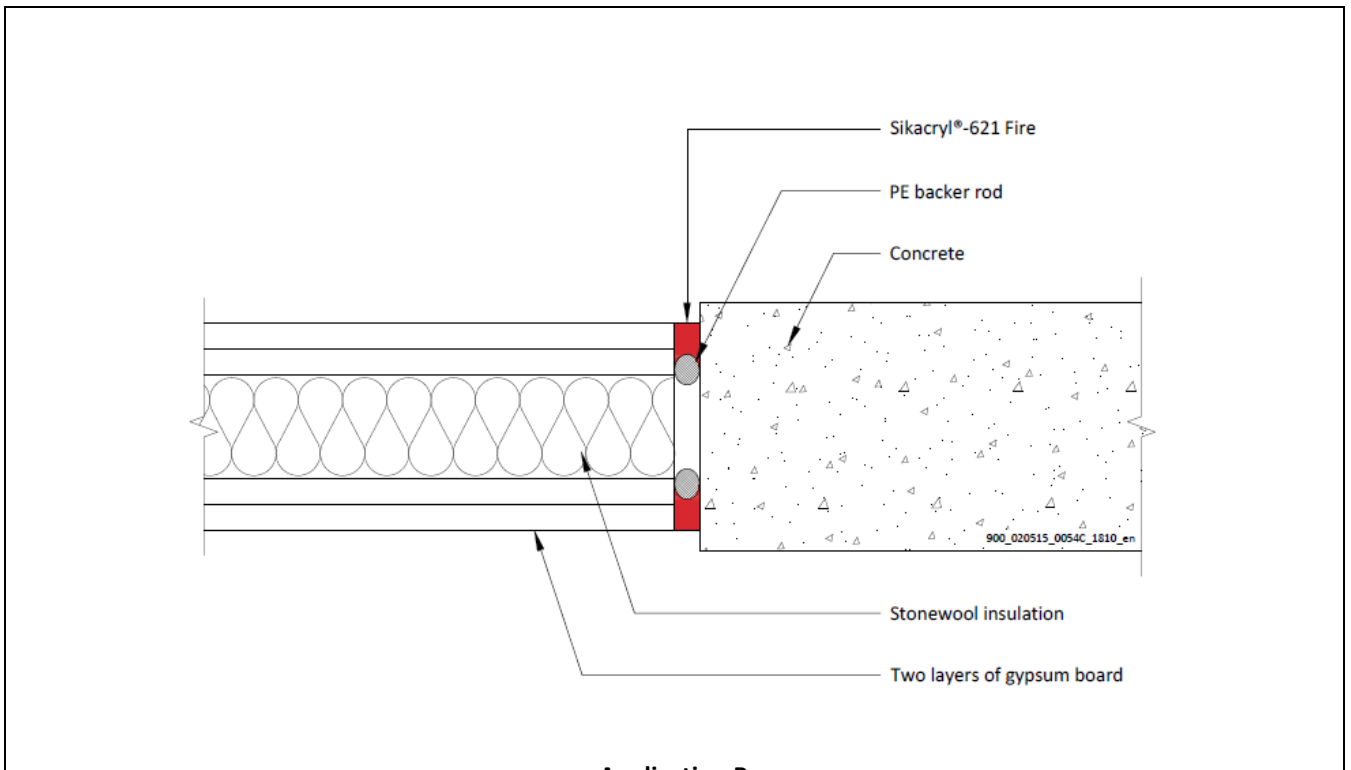
Application D

Substrate	Depth (mm)	Classification
Gypsum board/Steel head track	25mm. (Both Sides)	EI120-T – X – F – W 00 to 20
		EI120-V – X – F – W 00 to 20

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A1.2 Sikacryl®-621 Fire. Min 120 mm Thick Flexible or Rigid Wall.



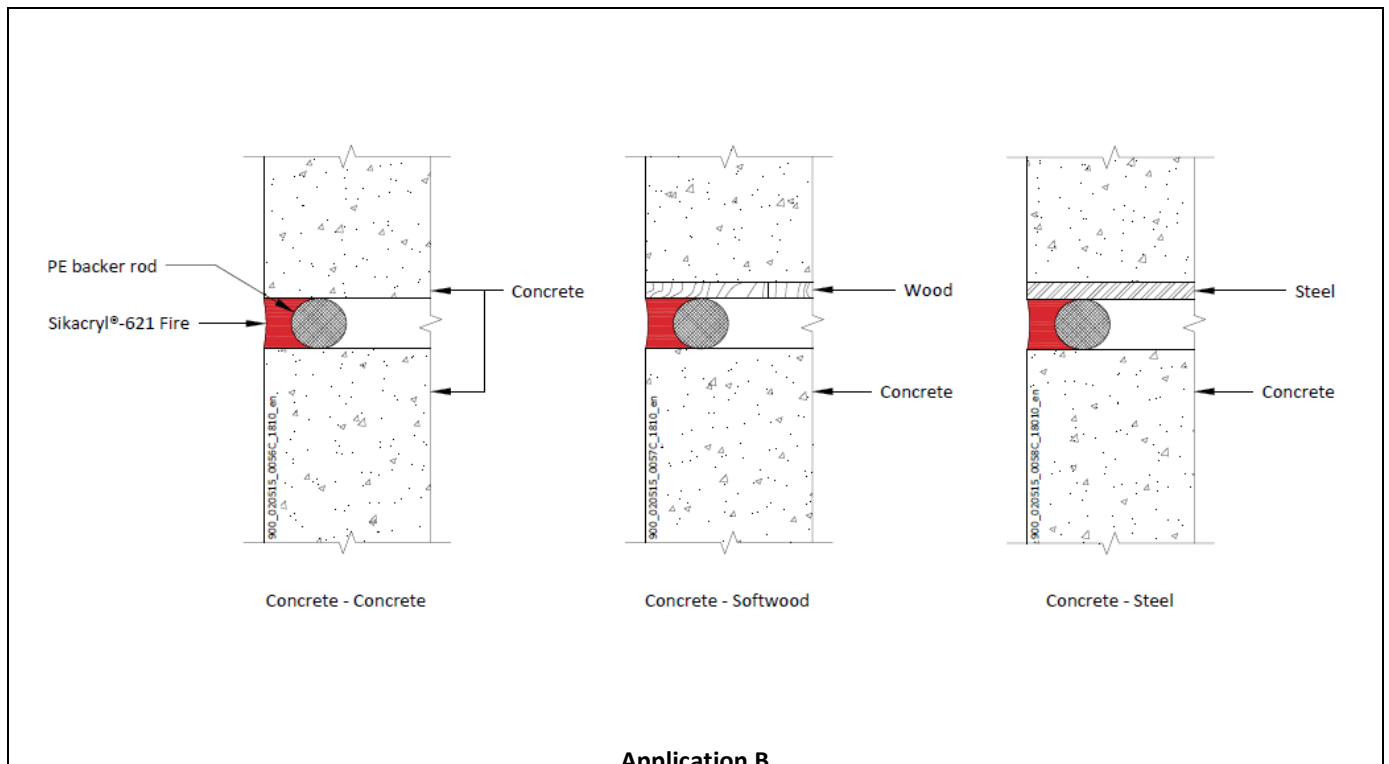
Application B

Substrate	Depth (mm)	Backing Material	Classification
Flexible Wall to Rigid Wall	12.5mm. (Both Sides)	PE backing Rod	E1120-V - X - F - W 00 to 20

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A1.3 Sikacryl®-621 Fire. Min 100 mm Thick Rigid Wall.



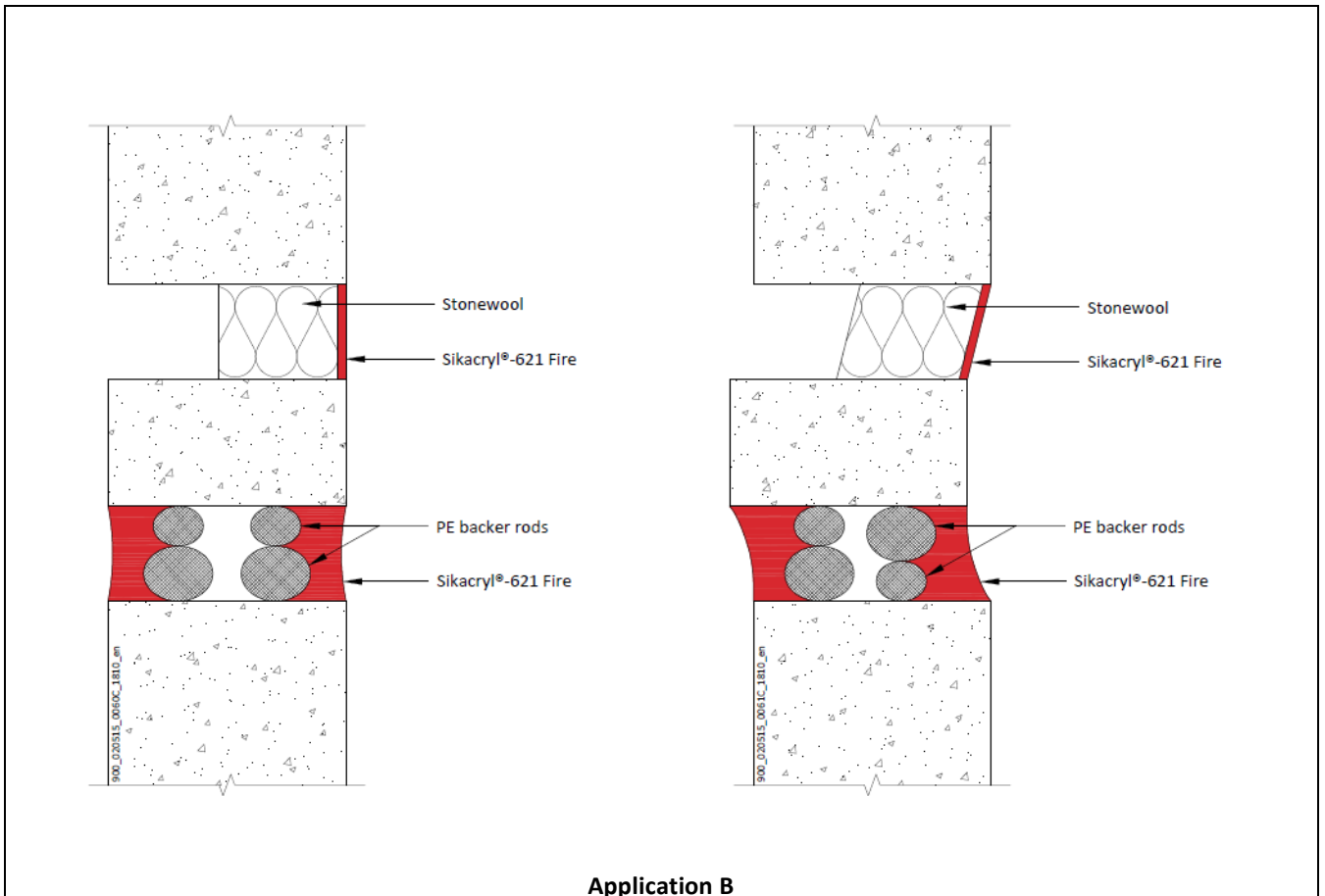
Application B

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	10 (Single Side)	PE backing Rod	E120 EI45-V – X – F – W 00 to 20
Concrete-Concrete	25 (Single Side)		E120 EI60-V – X – F – W 00 to 50
Concrete-Steel	10 (Single Side)		E120 EI20-V – X – F – W 00 to 20
Concrete-Steel	50 (Single Side)		E45 EI30-V – X – F – W 00 to 50
Concrete-Softwood	10 (Single Side)		E30 EI20-V – X – F – W 00 to 20
Concrete-Softwood	50 (Single Side)		EI45-V – X – F – W 00 to 50

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A1.4 Sikacryl®-621 Fire. Min 150 mm Thick Rigid Wall.



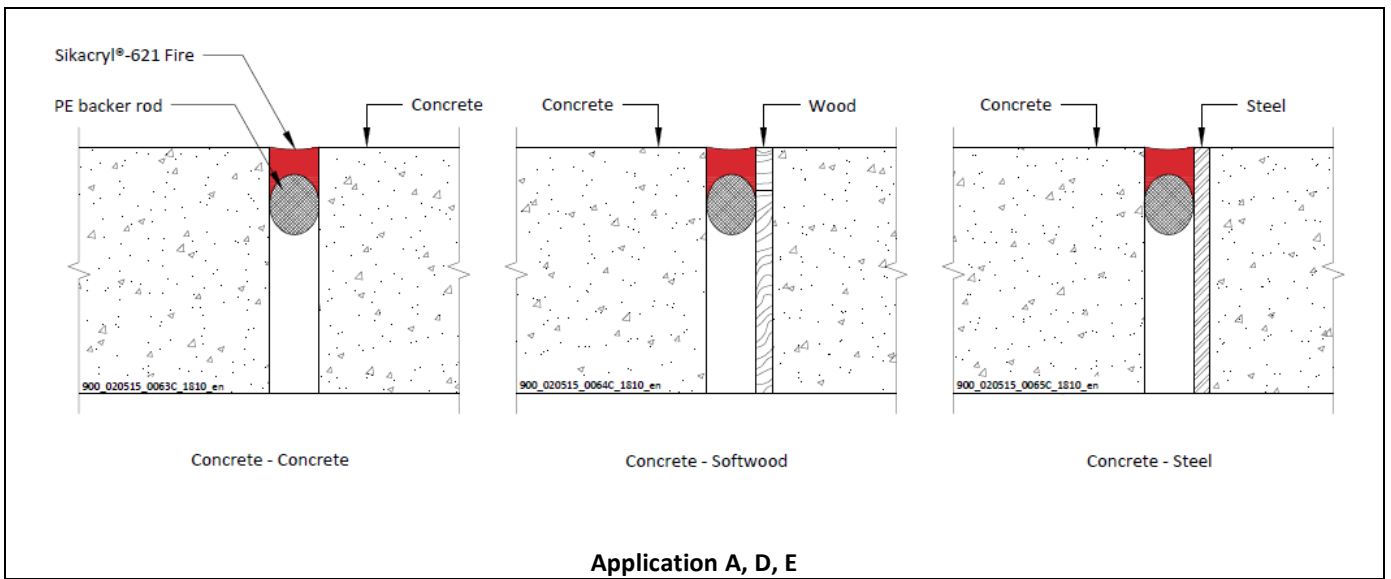
Application B

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	20 (Double Side)	PE backing rod	E240 EI120-V – 25 – F – W 00 to 60
Concrete-Concrete	5 (Non fireside Side)	Stonewool 75mm deep, 60kg/m ³	E240 EI120-V – 25 – F – W 00 to 60

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A1.5 Sikacryl®-621 Fire. Min 150 mm Thick Rigid Floor.



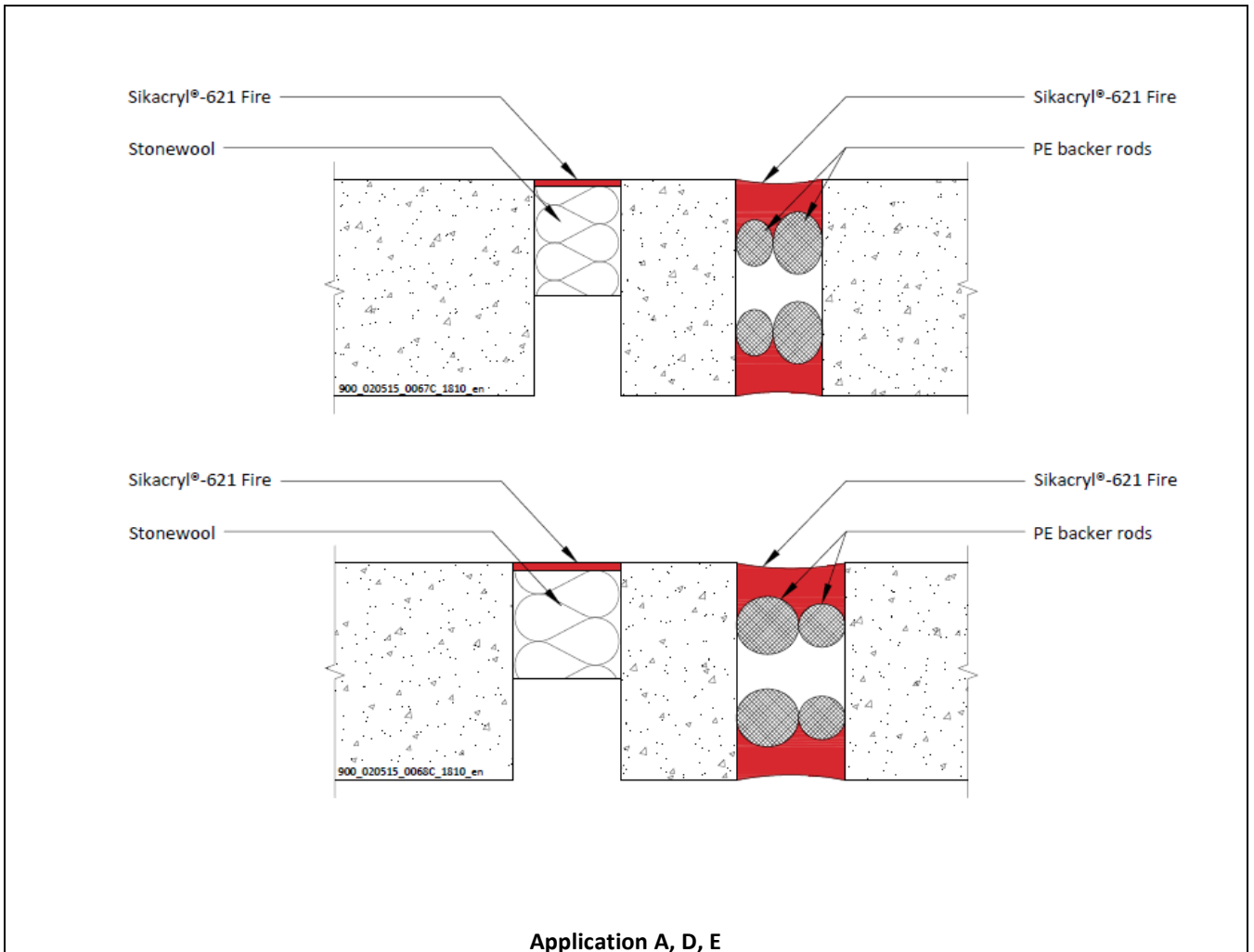
Application A, D, E

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	10 (Single Side)	PE backing Rod	E240 EI45-H-X-F-W 00 to 20
Concrete-Concrete	25 (Single Side)		E240 EI90-H-X-F-W 00 to 50
Concrete-Steel	10 (Single Side)		E120 EI20-H-X-F-W 00 to 20
Concrete-Steel	50 (Single Side)		E240 EI90-H-X-F-W 00 to 50
Concrete-Softwood	10 (Single Side)		EI30-H-X-F-W 00 to 20
Concrete-Softwood	50 (Single Side)		EI45-H-X-F-W 00 to 50

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A1.6 Sikacryl®-621 Fire. Min 150 mm Thick Rigid Floor



Application A, D, E

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	20 (Double Side)	Stonewool 75mm deep, 60kg/m ³	E240 EI120-H - 25 - F - W 00 to 60
Concrete-Concrete	5 (Non fireside Side)	PE Backing rod	E240 EI120-H - 25 - F - W 00 to 60

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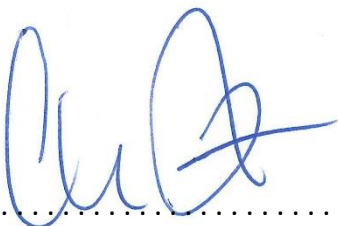
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**8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR -
SPECIFIC TECHNICAL DOCUMENTATION**

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.

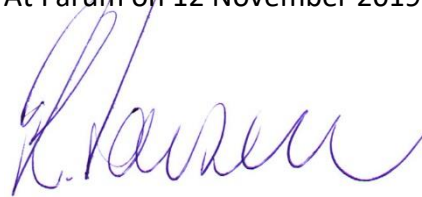
Signed for and on behalf of the manufacturer by:

Name : Anders Beier
Function: General Manager
At Farum on 12 November 2019



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Name : Kristian Larsen
Function: Head Sealing and Bonding
At Farum on 12 November 2019



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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
Sikacryl®- 621 Fire	EN 15651-1:2012	97397559
Sikacryl®- 621 Fire	EAD 350454-00-1104	39166102

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FULL CE MARKING

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Sika Services AG, Zurich, Switzerland
26054930
EAD 350141-00-1106:2017
1121
Fire stopping and fire sealing products, linear joint and gap seals

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The assessment of fitness for use has been made in accordance with EAD 350141-00-1106

Product Type: Sealant		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	No performance determined
EN 13501-2	Resistance to fire	Annex A
BWR 3 Hygiene, Health and the Environment		
EN 1026:2000	Air permeability	See section 3.3
EAD 350141-00-1106	Water permeability	No performance determined
Declaration by manufacturer	Release of dangerous substances	Use category IA3, 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
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BWR 5 Protection against noise		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	BS EN 10142-2: Rw (C;Ctr)= 38(-2;-7)
BWR 6 Energy, Economy and Heat Retention		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
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3.3 Air permeability

System Sikacryl®-621 Fire has been tested in accordance with BS EN 1314-1 to provide the following results:

Product tested			Sikacryl®-621 Fire	
	Results under positive chamber pressure		Results under negative chamber pressure	
Pressure (Pa)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)
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150	0,0	0,0	0,1	2,8
200	0,0	0,0	0,1	2,8
250	0,0	0,0	0,1	2,8
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Annex A
Resistance to Fire Classification of Sikacryl®-621 Fire

Orientation

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Table 1

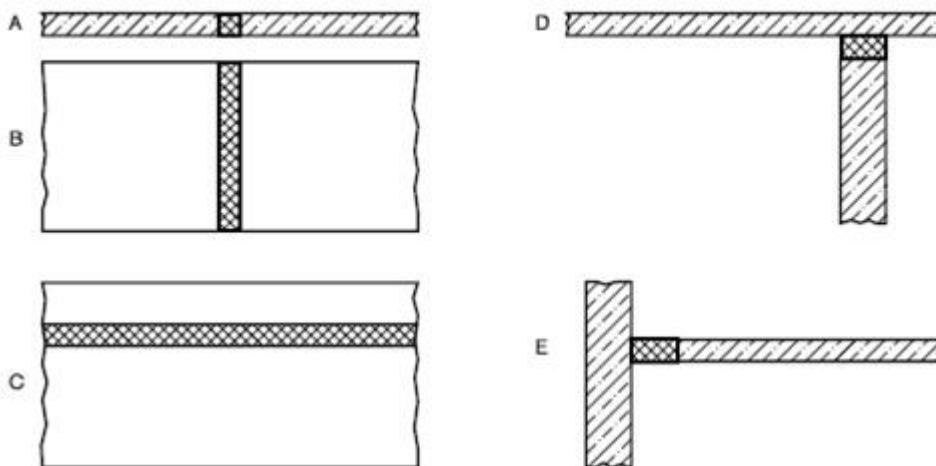
Tested orientation	Application
A	A, D, E ^a
B	B
C	C, D ^b

^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

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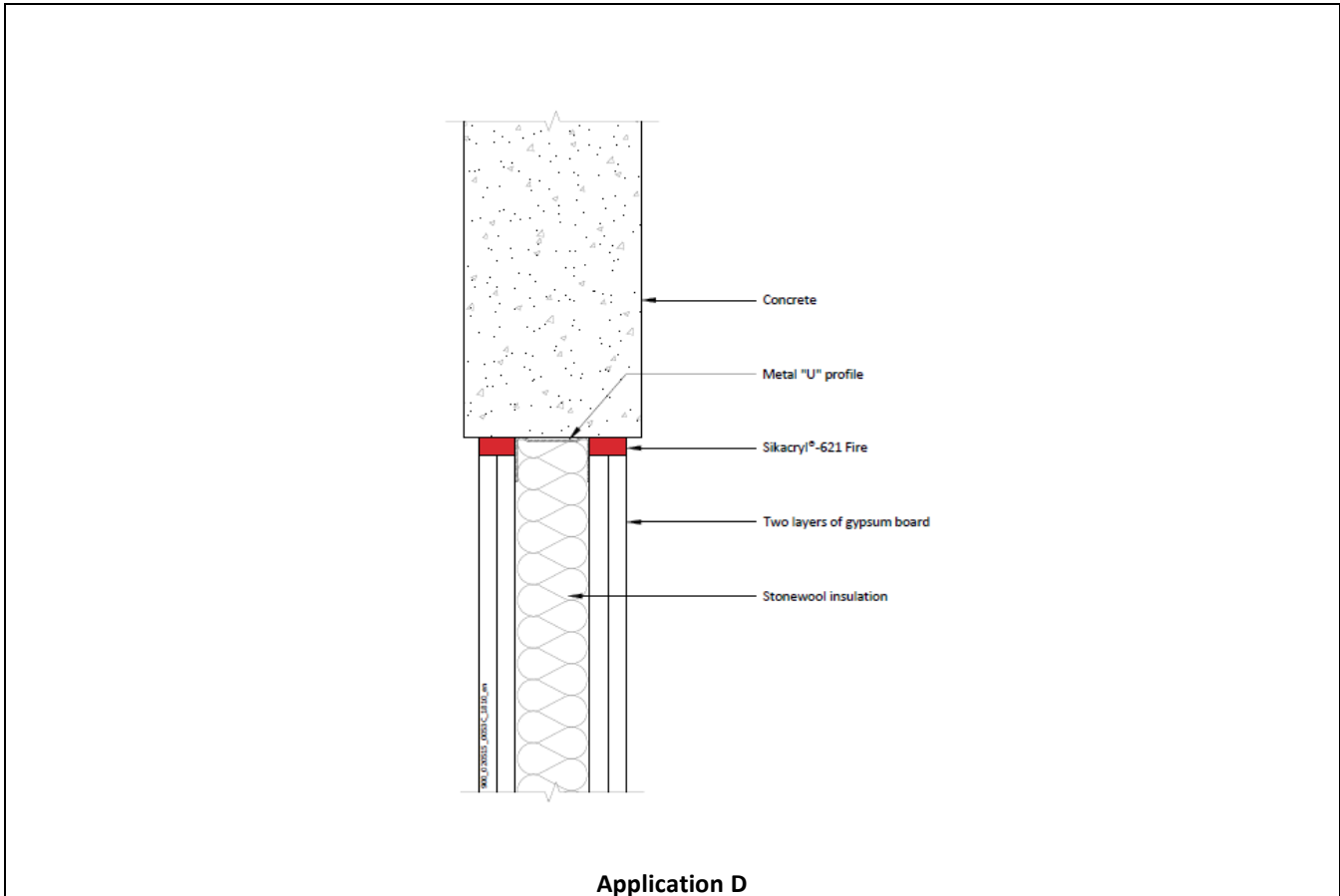
-  joint seal
-  wall – front view
-  wall or floor – section

- 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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A1.1 Sikacryl®-621 Fire. Min 120 mm Thick – Sealing of Drywall Head Track-Sealant Flush To Both Faces Of The Wall



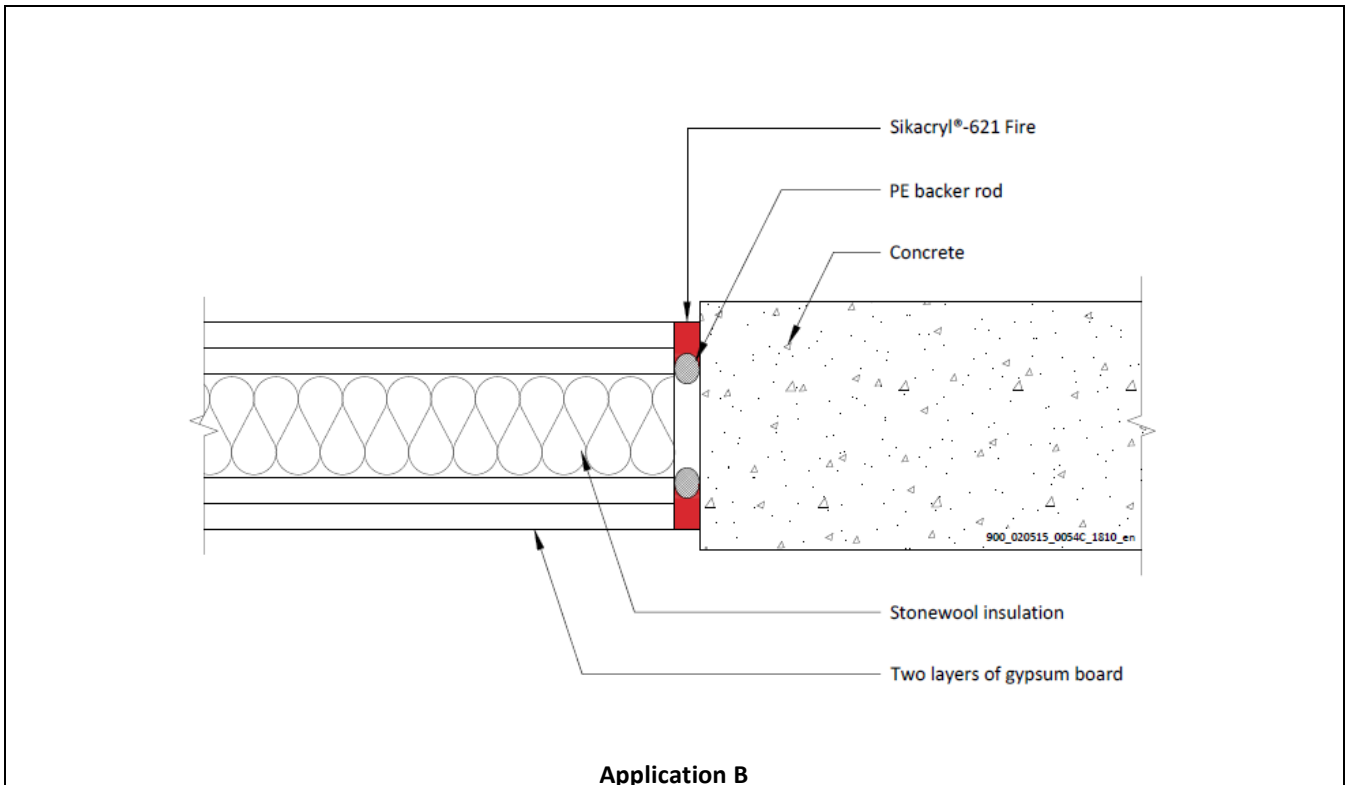
Application D

Substrate	Depth (mm)	Classification
Gypsum board/Steel head track	25mm. (Both Sides)	EI120-T – X – F – W 00 to 20
		EI120-V – X – F – W 00 to 20

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A1.2 Sikacryl®-621 Fire. Min 120 mm Thick Flexible or Rigid Wall.

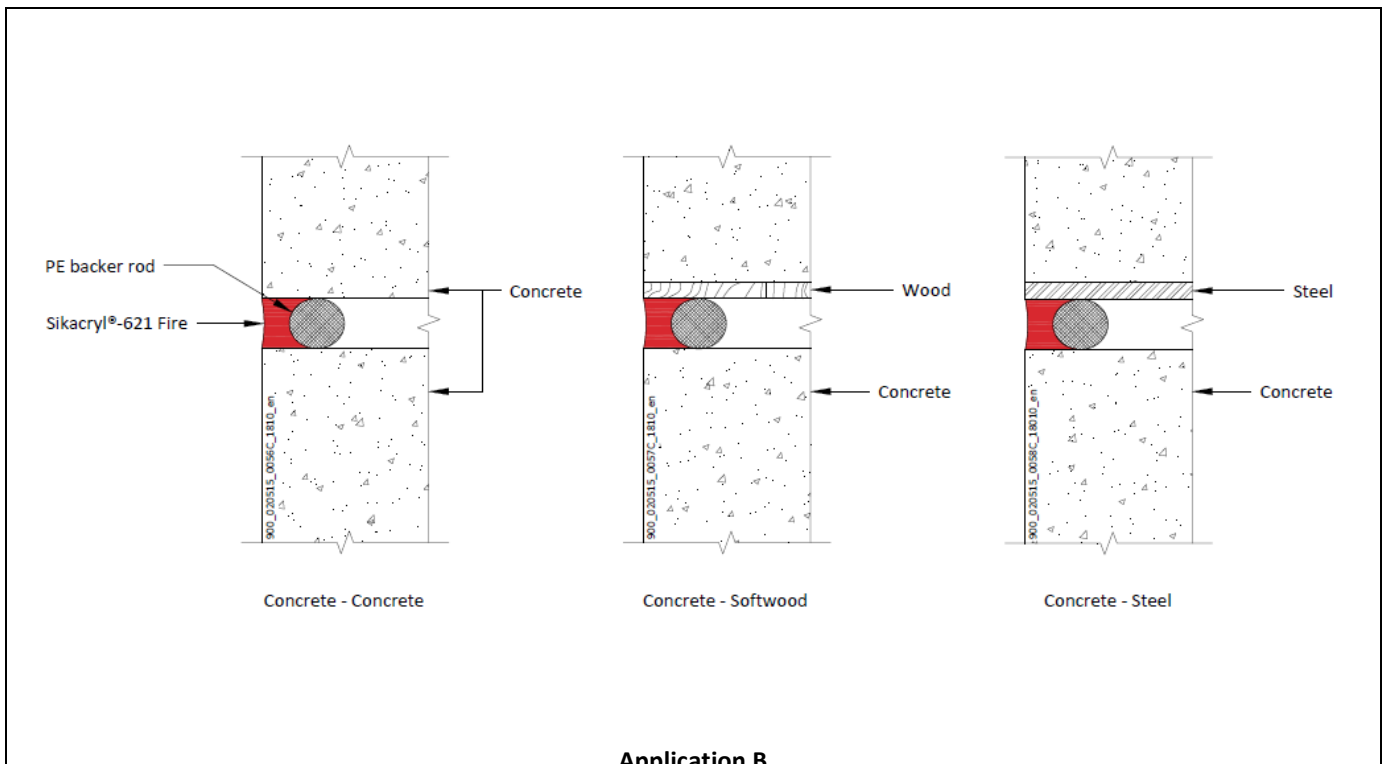


Application B			
Substrate	Depth (mm)	Backing Material	Classification
Flexible Wall to Rigid Wall	12.5mm. (Both Sides)	PE backing Rod	E1120-V - X - F - W 00 to 20

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A1.3 Sikacryl®-621 Fire. Min 100 mm Thick Rigid Wall.



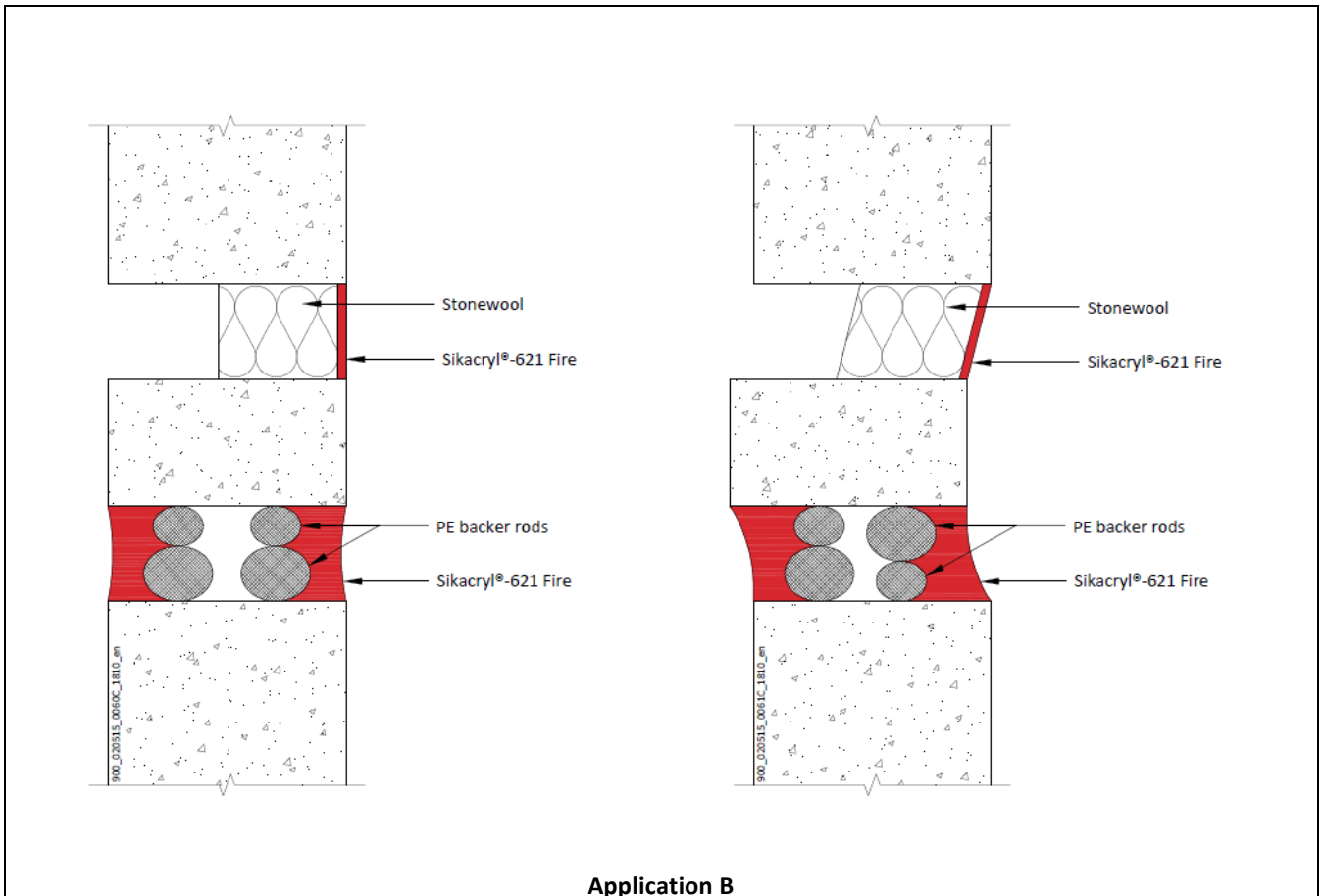
Application B

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	10 (Single Side)	PE backing Rod	E120 EI45-V – X – F – W 00 to 20
Concrete-Concrete	25 (Single Side)		E120 EI60-V – X – F – W 00 to 50
Concrete-Steel	10 (Single Side)		E120 EI20-V – X – F – W 00 to 20
Concrete-Steel	50 (Single Side)		E45 EI30-V – X – F – W 00 to 50
Concrete-Softwood	10 (Single Side)		E30 EI20-V – X – F – W 00 to 20
Concrete-Softwood	50 (Single Side)		EI45-V – X – F – W 00 to 50

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A1.4 Sikacryl®-621 Fire. Min 150 mm Thick Rigid Wall.



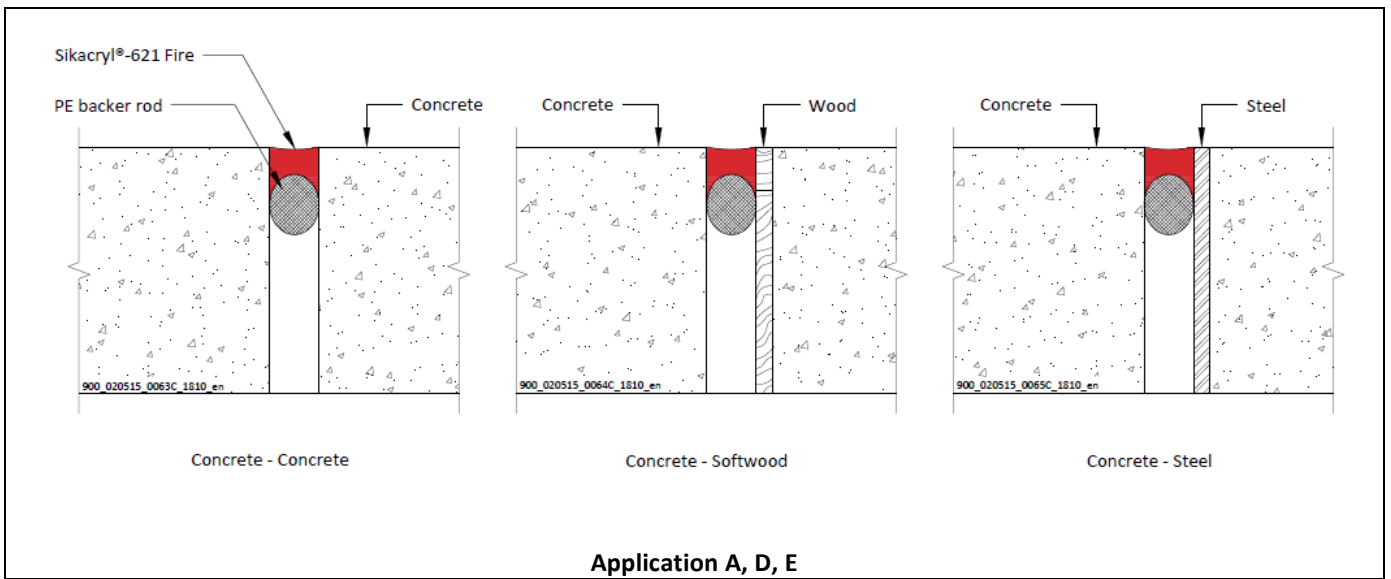
Application B

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	20 (Double Side)	PE backing rod	E240 EI120-V – 25 – F – W 00 to 60
Concrete-Concrete	5 (Non fireside Side)	Stonewool 75mm deep, 60kg/m ³	E240 EI120-V – 25 – F – W 00 to 60

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A1.5 Sikacryl®-621 Fire. Min 150 mm Thick Rigid Floor.



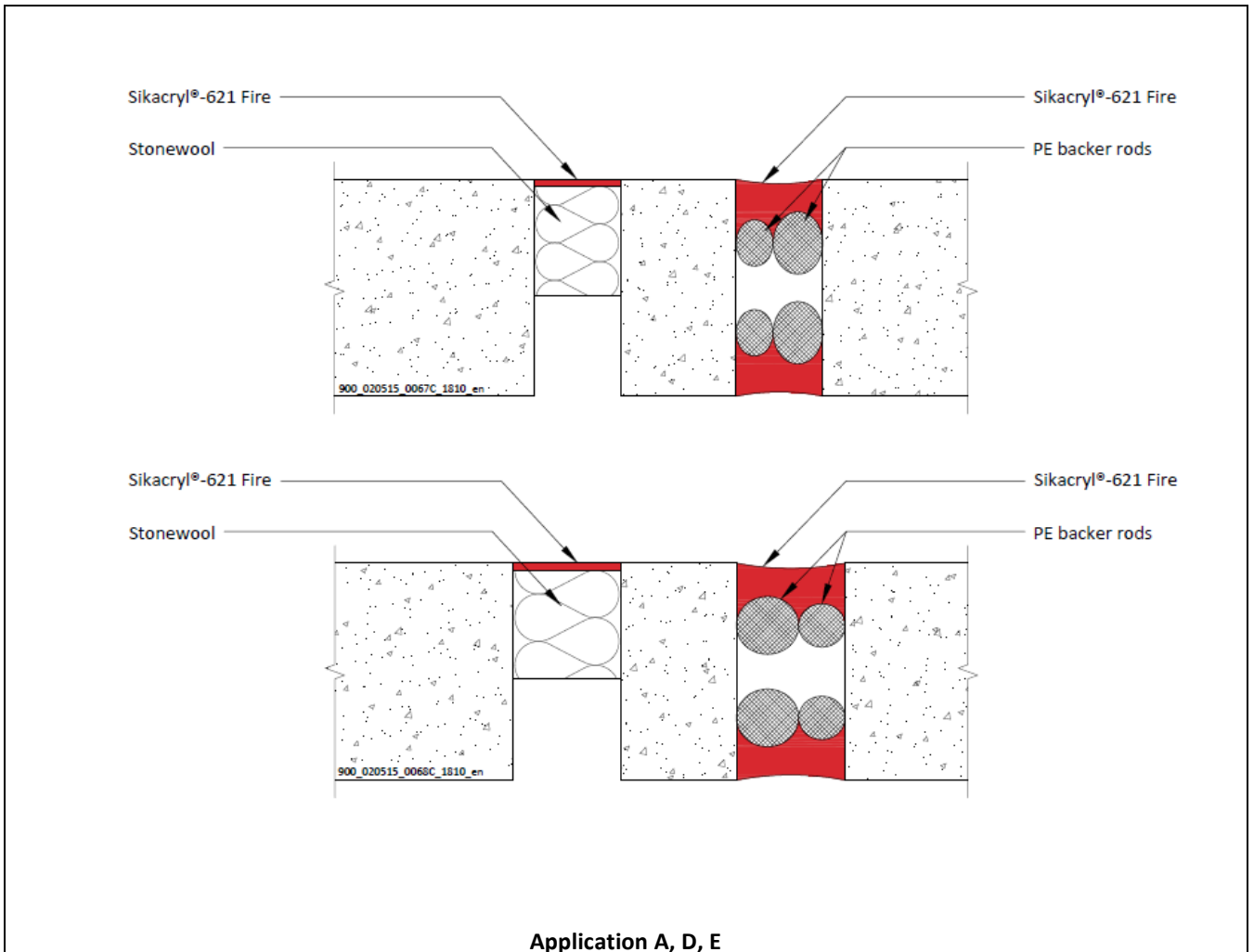
Application A, D, E

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	10 (Single Side)	PE backing Rod	E240 EI45-H-X-F-W 00 to 20
Concrete-Concrete	25 (Single Side)		E240 EI90-H-X-F-W 00 to 50
Concrete-Steel	10 (Single Side)		E120 EI20-H-X-F-W 00 to 20
Concrete-Steel	50 (Single Side)		E240 EI90-H-X-F-W 00 to 50
Concrete-Softwood	10 (Single Side)		EI30-H-X-F-W 00 to 20
Concrete-Softwood	50 (Single Side)		EI45-H-X-F-W 00 to 50

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A1.6 Sikacryl®-621 Fire. Min 150 mm Thick Rigid Floor



Application A, D, E

Substrate	Depth (mm)	Backing Material	Classification
Concrete-Concrete	20 (Double Side)	Stonewool 75mm deep, 60kg/m ³	E240 EI120-H - 25 - F - W 00 to 60
Concrete-Concrete	5 (Non fireside Side)	PE Backing rod	E240 EI120-H - 25 - F - W 00 to 60

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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
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Fire stopping and fire sealing products, linear joint and gap seals
For details see accompanying documents
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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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or endusers 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 affected 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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BUILDING TRUST

