BUILDING TRUST

Sikacryl®-620 Fire

DECLARATION OF PERFORMANCE
No. 76196613

1	**UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:**	76196613
2	**INTENDED USE/S**	ETA-20/1115/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 Edition 2017 Fire stopping and Fire Sealing Products, Linear Joint and Gap Seals
	European Technical Assessment:	ETA-20/1115 of 30/12/2020
	Technical Assessment Body:	Instytut Techniki Budowlanej
	Notified body/ies:	1488, 2812

7 DECLARED PERFORMANCE/S

7.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Class E: sealant thickness ≤ 21 mm No performance assessed: sealant thickness > 21 mm
Resistance to fire	Annex A

7.2 Hygiene, health and the environment (BWR 3)

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<tr><th>Essential characteristic</th><th>Performance</th></tr>
<tr><td>Content, emission and/or release of dangerous substances</td><td>No performance assessed</td></tr>
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<tr><td>Water permeability
(material property)</td><td>No performance assessed</td></tr>
</table>

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 Z_1
Movement capability	No performance assessed (non-movement joints)

7.4 Protection against noise (BWR 5)

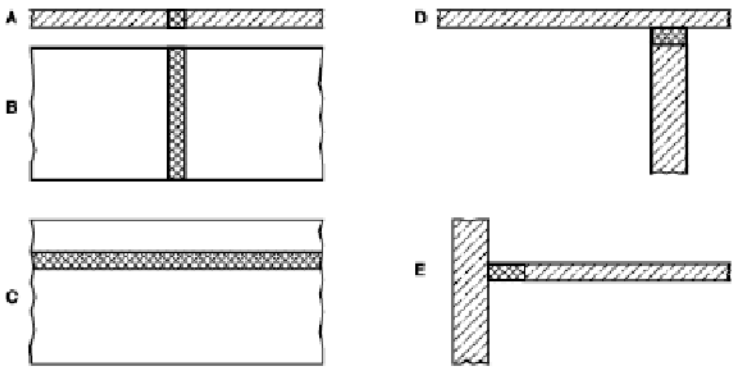
No performance assessed.

7.5 Energy economy and heat retention (BWR 6)

No performance assessed.

Additional provisions

- Sikacryl-620 Fire shall be applicable only to straight parallel edge surfaces of linear joints or gaps.
- Floor joint seals cannot be stepped and should be covered by e.g. wire mesh or floor finishes.
- Possible orientation of the linear joint seals is presented in fig. A1 and Table A1.



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

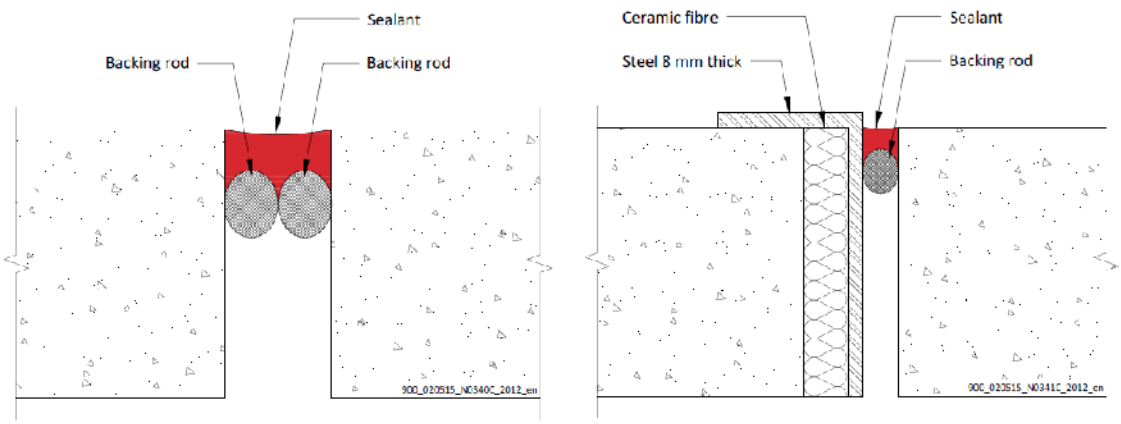
Fig. A1. Possible orientation of linear joint seals

Table A1

Seal type tested orientation	Possible orientation in accordance with fig. A1
A	A, D
B	B
C	C

Sikacryl-620 Fire	**Annex A1** of European Technical Assessment ETA-20/1115
Additional provisions	

Fig. A2. Horizontal linear joint seal of Sikacryl-620 in rigid floors thickness of **≥ 150 mm** (with sealant to the unexposed face).

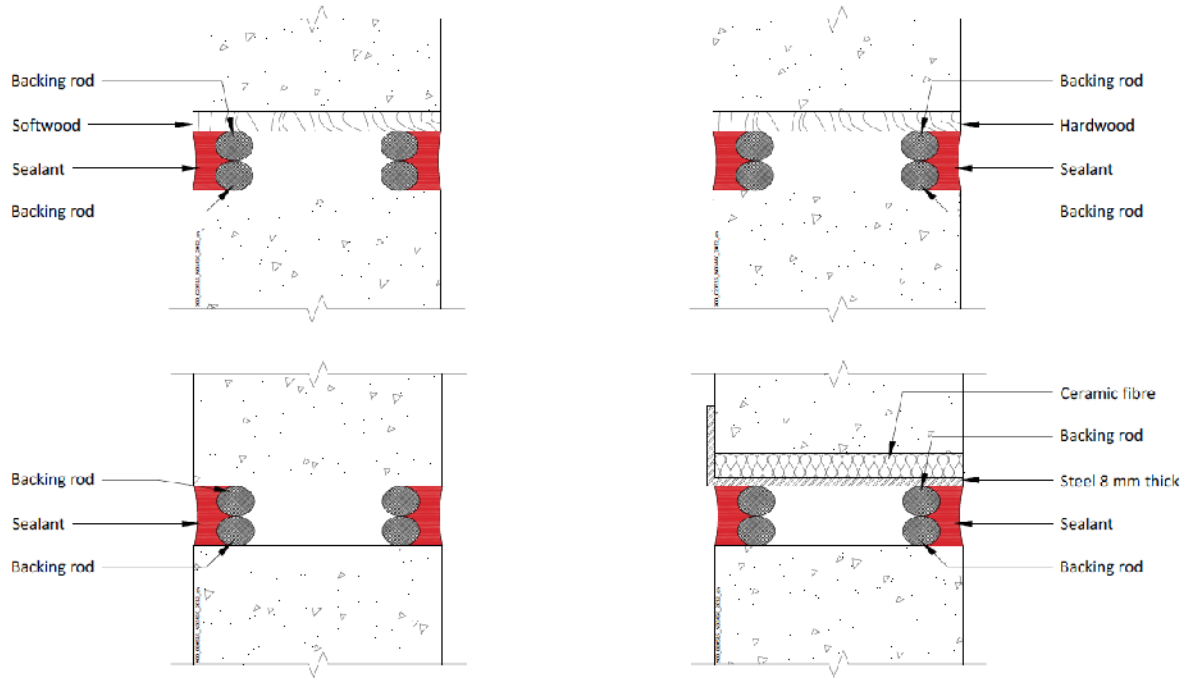


Resistance to fire classification of linear joint seal in rigid floors, in accordance with fig. A2 and Annex A1:

Depth of the sealant	Backing material	Substrates*	Seal face orientation	Fire resistance class
2 : 1 ratio (2 = width, 1 = depth)	PE Backing Rod	AAC - AAC	unexposed face	**EI 180 E 240 – H – X – F – W 12**
				EI 120 E 240 – H – X – F – W 13-49
				EI 180 E 240 – H – X – F – W 50
		AAC - steel		**EI 60 E240 – H – X – F – W 12**
				EI 30 E 240 – H – X – F – W 13-50
* AAC – Autoclaved Aerated Concrete				

Sikacryl-620 Fire	**Annex A2** of European Technical Assessment ETA-20/1115
Installation details and resistance to fire classification of linear joint seals	

Fig. A3. Vertical linear joint seal of Sikacryl-620 in rigid walls thickness of **≥ 150 mm** (with sealant to the unexposed and exposed face).



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Depth of the sealant	Backing material	Substrates*	Seal face orientation	Fire resistance class
2 : 1 ratio (2 = width, 1 = depth)	PE Backing Rod	AAC - AAC	both unexposed and exposed face	**EI 240 – V – X – F – W 12**
				EI 240 – V – X – F – W 13-50
		AAC – softwood**		**EI 60 E 120 – V – X – F – W 12**
				EI 120 – V – X – F – W 13-49
				EI 180 – V – X – F – W 50
		AAC – hardwood***		**EI 120 – V – X – F – W 12-49**
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		AAC - steel		**EI 90 E 240 – V – X – F – W 12**
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* AAC – Autoclaved Aerated Concrete

** softwood density minimum 410 kg/m^3, fixing centres 300 mm

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Sikacryl-620 Fire	**Annex A3** of European Technical Assessment ETA-20/1115
Installation details and resistance to fire classification of linear joint seals	

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 : Tomasz Gutowski
Function: Corporate Standardization and Approvals
At Warsaw on 25 January 2021

. . . . . .

Name : Tatiana Ageyeva
Function: Standardization and Approvals
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. . . . . .

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

FULL CE MARKING

CE
14
Sika Services AG, Zurich, Switzerland
76196613
EAD 350141-00-1106:2017
1488, 2812
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Resistance to fire	Annex A

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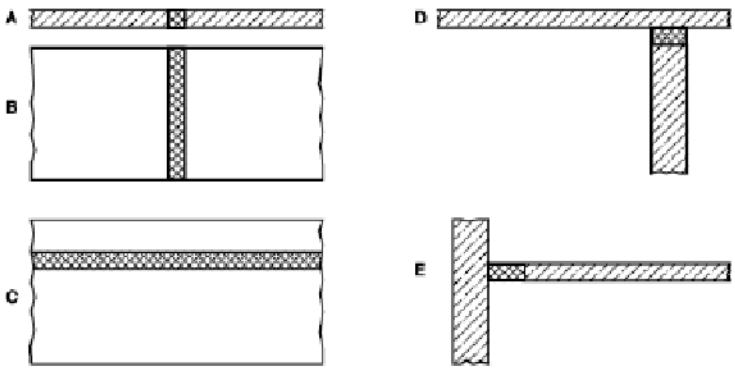

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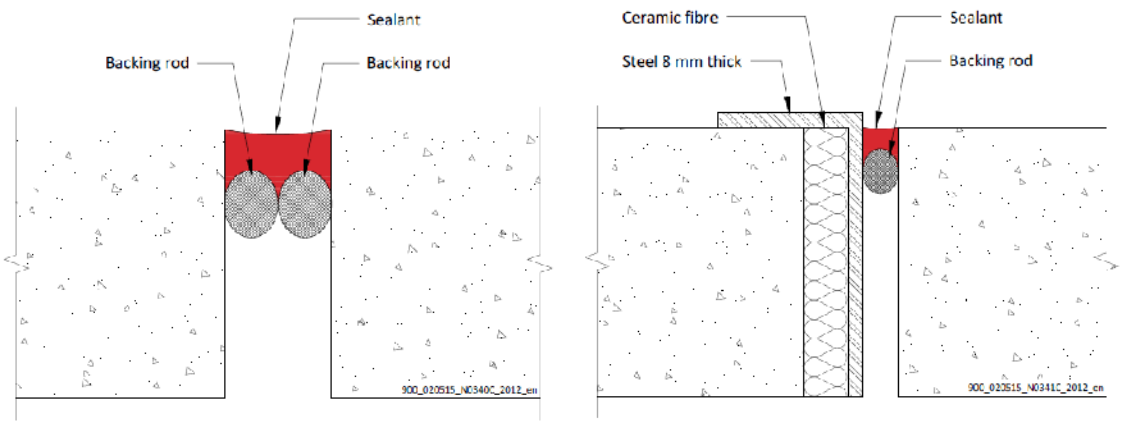

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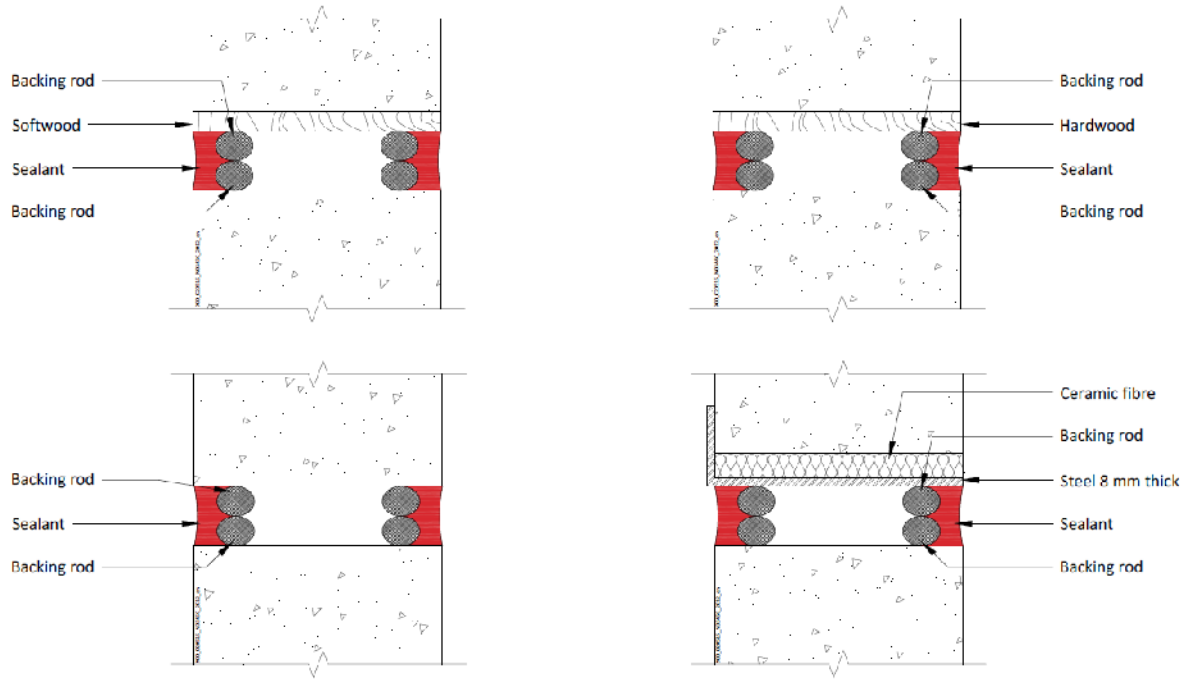

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Fire stopping and fire sealing products, linear joint and gap seals
For details see accompanying documents
dop.sika.com

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

Sika Services AG
Tüffenwies 16-22
8064 Zürich
Switzerland
www.sika.com