BUILDING TRUST

Sikacryl®-620 Fire

DECLARATION OF PERFORMANCE
No. 12725641

1	**UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:**	12725641
2	**INTENDED USE/S**	ETAG 026:2011 / ETA 14/0473:2014 Fire Stopping and Sealing Product, Linear joint and Gap Seal to reinstate the fire resistance performance of gaps and joints between rigid wall constructions, gaps in joints between rigid floor constructions
3	**MANUFACTURER:**	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	**AUTHORISED REPRESENTATIVE:**	
5	**SYSTEM/S OF AVCP:**	System 1
6b	**EUROPEAN ASSESSMENT DOCUMENT:**	ETAG 026:2011 / ETA 14/0473:2014
	European Technical Assessment:	ETAG 026:2011 / ETA 14/0473:2014
	Technical Assessment Body:	Exova (UK) Limited trading as Warrington Certification
	Notified body/ies:	1104

7 DECLARED PERFORMANCE/S

Essential Characteristics	Performance	AVCP	Harmonized Technical Specification
Mechanical resistance and stability	Not relevant	System 1	ETAG 026:2011 / ETA 14/0473:2014
Safety in case of fire	See Clause 3.1	System 1	
Reaction to fire	Class F	System 1	
Resistance to fire	See Clause 3.2 & Annex C	System 1	
Air permeability	See Clause 3.3	System 1	
Water permeability	NPD	System 1	
Dangerous substances	See Clause 3.5	System 1	
Mechanical resistance and stability	NPD	System 1	
Resistance to impact/movement	NPD	System 1	
Adhesion	NPD	System 1	
Protection against noise	NPD	System 1	
Airborne sound insulation	$Rw(C,C_{tr})$=38 (-2;7)	System 1	
Thermal properties	NPD	System 1	
Water vapor permeability	NPD	System 1	
Durability and serviceability	Z1 See Clause 3.5	System 1	

3.1 Reaction to fire

System Sikacryl®-620 Fire is classified **'F'** in accordance with EN 13501-1.

3.2 Resistance to fire

System Sikacryl®-620 Fire has been tested in accordance with BS EN 1366-4: 2006 based upon the test results and the field of direct application specified within EN 1366-4: 2006, the system Sikacryl®-620 Fire has been classified in accordance with EN 13501-2, as given in Annex C

The 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.

3.3 Air permeability

System Sikacryl® -620 Fire has been tested in accordance with BS EN 1314-1 to provide the following results:

Pressure differential Pa	Air now through the Plain plasterboard specimen m^3/h	Air flow through specimen with sealant m^3/h
1	0.04	0.00
2	0.07	0.00
4	0.14	0.00
8	0.27	0.00
10	0.33	0.00
15	0.46	0.00
20	0.68	0.00
30	1.07	0.00
40	1.40	0.00
50	1.67	0.00
60	1.91	0.00
80	2.35	0.00
100	2.90	0.00

Table 3. Air permeability under positive air pressure on Indoor face

3.5 Dangerous substances

The applicant has presented a declaration that Sikacryl®-620 Fire does not contain any substance of high concern with regards to REACH Regulations and are compliant with the requirements reference to http://ec.europa.eu/enterprise/construction/cpd-ds/index.*dm*

Confirmation has further been declared that all dangerous chemical substances ≥ 1.0 % w/w as well as all toxic, carcinogenic, toxic for reproduction and mutagenic chemical substances ≥ 0.1 % *w/w* (Status: 29. adaption-2004/73/EG -of the EU directive 67/548/EEC- classification, packaging and labelling of dangerous substances) are stated in the Sikacryl®-620 Fire safety data sheets (according to 91/155/EEC including amendments) and have been considered for the classification of the products according to the directive 1999/45/EG (classification of preparations, including amendments).

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 approval, 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

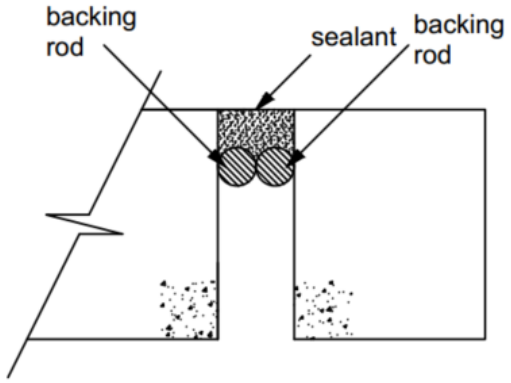
3.11 Durability and serviceability

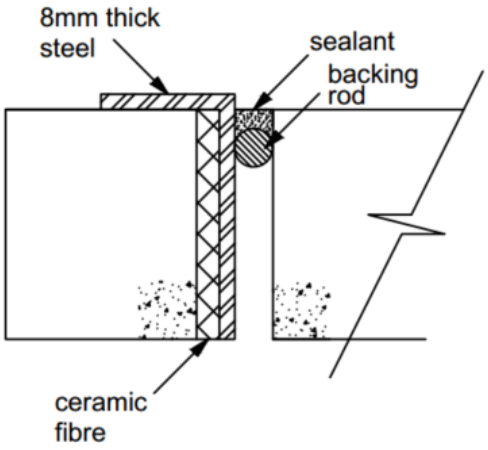
Sikacryl®-620 Fire has been tested in accordance with EOTA Technical Report - TR024 - Edition November 2006, for the type Z 1 use category specified in ETAG 026-3 (used as European Assessment Document, EAD), and the results of the tests have demonstrated suitability for penetration seals intended for use in internal conditions with humidity equal to or higher than 85% RH excluding temperatures below 0°C, without exposure to rain or UV.

Annex C Resistance to Fire Classification of Sikacryl®-620 Fire

C.1 Rigid floor constructions according to 1.2.1 with floor thickness of minimum 150 mm
C.1.1. Linear joint or gap seal, horizontally orientated with sealant to the unexposed face

Construction details:





C.1.1.1

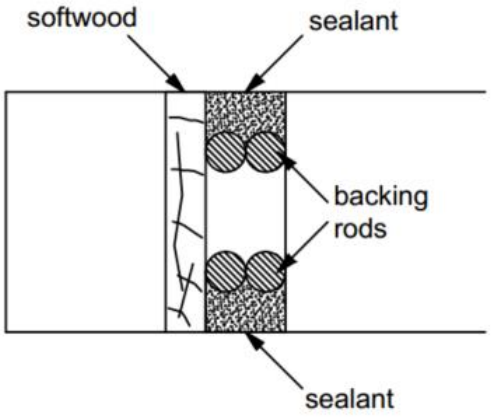
Sikacryl®-620 Fire Linear Joint Seals in Rigid Floors 150 mm thick (min.)-				
Depth Sealant	**Backing**	**Substrates**	**Seal Orientation**	**Classification**
2:1 Ratio 2= width 1= depth	**PE Backing Rod**	**AAC-AAC**	**Unexposed face**	**E240 EI180 - H - X - F - W 12**
				E240 EI120 - H - X - F - W 13-49
				E240 EI180 - H - X- F - W 50
		AAC-Steel		**E240 EI60 - H - X- F - W 12**
				E240 EI30 - H - X - F - W 13-50

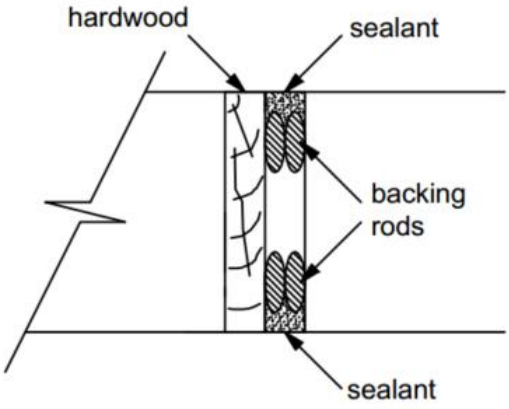
AAC – Aerated concrete

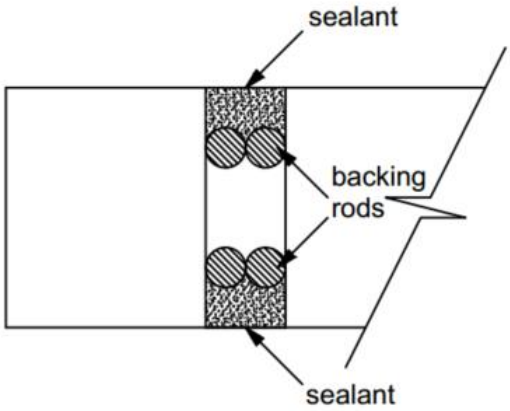
C.2 Rigid floor constructions according to 1.2.1with wall thickness of minimum 150 mm

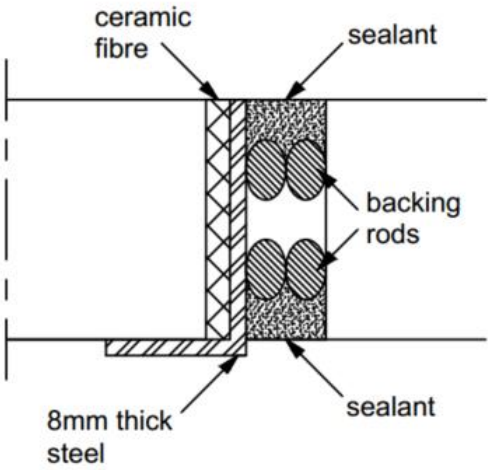
C.2.1 Linear joint or gap seal, vertically orientated with sealant to the unexposed and exposed face

Construction details:
Hardwood density: - minimum 680 kg/m3. Fixing centres 300mm
Softwood density: - minimum 410 kg/m3. Fixing centres 300mm









C.2.1.1

Sikacryl®-620 Fire Linear Joint Seals in Walls 150 mm thick (min.)				
Depth Sealant	Backing	Substrates	Seal orientation	Classification
2:1Ratio 2= width 1= depth	PE Backing Rod	AAC-AAC	Both faces	EI240 - V- X- F - W 50
				EI240 - V- X- F - W 13-50
		AAC-Softwood		E120 EI60 - V- X - F - W 12
				EI120- V- X- F- W 13-49
		AAC-Hardwood		EI180 - V- X - F - W 50
				EI120- V -X- F- W 12-49
		AAC-Steel		EI180-V-X- F-W 50
				E240 EI90- V- X- F- W 12
				E240 EI90 - V- X - F - W 13-49
				E240 EI120 - V- X- F- W 5O

AAC – Aerated concrete

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: Stamatios Kollias
Function: TMM Sealing & Bonding/Industry
At Athens on 08 May 2018

. . . . . .

Name: Spyros Hatzifotis
Function: Managing Director
At Warsaw on 08 May 2018

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

RELATED DECLARATION OF PERFORMANCE

Product Name	Harmonized technical specification	DoP Number
Sikacryl®-620 Fire	EN 15651-1:2012	87039029
Sikacryl®-620 Fire	EN 15651-1:2012, ETAG 026 - part 3:2011	0205140400000000491213

FULL CE MARKING

CE 14
Sika Services AG, Zurich, Switzerland
DoP No. 12725641
ETAG 026:2011 / ETA 14/0473:2014
Notified Body 1104
Fire Stopping and Sealing Product, Linear joint and Gap Seal to reinstate the fire resistance performance of gaps and joints between rigid wall constructions, gaps in joints between rigid floor constructions

Safety in case of fire	See Clause 3.1
Reaction to fire	Class F
Resistance to fire	See Clause 3.2 & Annex C
Air permeability	See Clause 3.3
Dangerous substances	See Clause 3.5
Airborne sound insulation	$Rw(C,C_{tr})=38$ (-2;-9)
Durability and serviceability	Z1 See Clause 3.5

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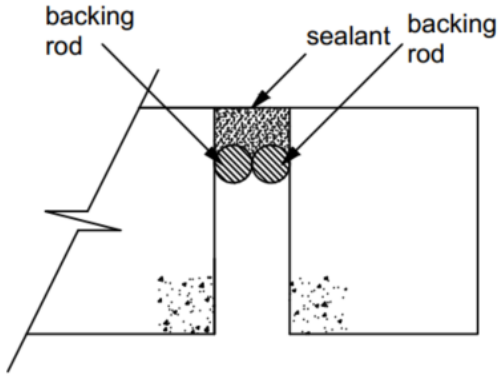

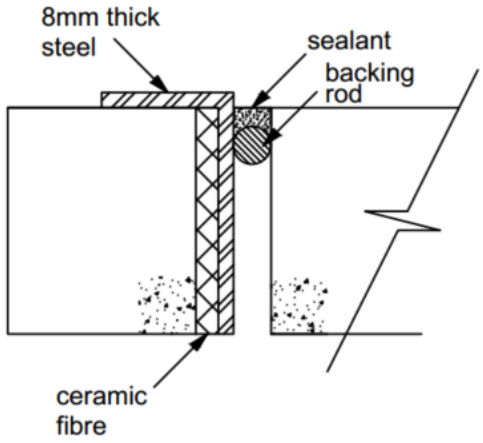

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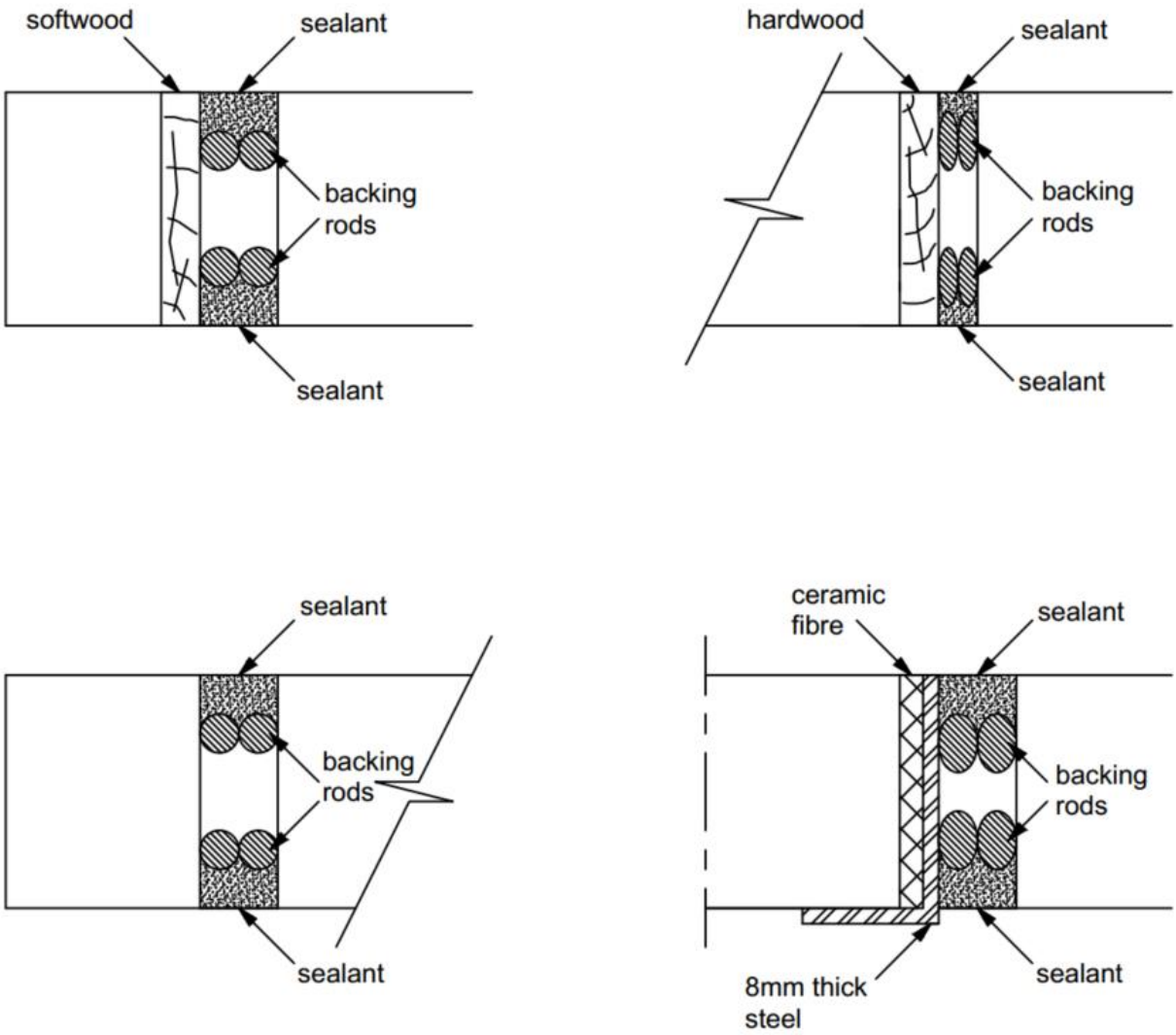

C.2.1.1

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				EI240 - V- X- F - W 13-50
		AAC-Softwood		E120 EI60 - V- X - F - W 12
				EI120- V- X- F- W 13-49
		AAC-Hardwood		EI180 - V- X - F - W 50
				EI120- V -X- F- W 12-49
		AAC-Steel		EI180-V-X- F-W 50
				E240 EI90- V- X- F- W 12
				E240 EI90 - V- X - F - W 13-49
				E240 EI120 - V- X- F- W 5O

http://dop.sika.com

CE marking to be placed on the label

CE 14
Sika Services AG, Zurich, Switzerland
DoP No. 12725641
ETAG 026:2011 / ETA 14/0473:2014
Notified Body 1104
Fire Stopping and Sealing Product, Linear joint and Gap Seal to reinstate the fire resistance performance of gaps and joints between rigid wall constructions, gaps in joints between rigid floor constructions
For details see accompanying documents.
http://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

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14568 Kryoneri
Athens - Greece
www.sika.gr