

Sikacryl[®]-621 Fire

DECLARATION OF PERFORMANCE No. 39166102

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	39166102
2	INTENDED USE/S	ETA 18/1052/ EAD 350454-00-1104:2017 Fire stopping and fire sealing products, penetration 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 350454-00-1104:2017
	European Technical Assessment:	ETA 18/1052
	Technical Assessment Body:	Warrington Fire Testing and Certification Limited
	Notified body/ies:	1121

Declaration of Performance

Sikacryl[®]-621 Fire
39166102
2019.01 , ver. 01
1545

7 DECLARED PERFORMANCE/S

The assessment of fitness for use has been made in accordance with EAD 350454-00-1104

Product Type: Sealant		Intended use: Penetration 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 350454-00-1104	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	Z1
BWR 7 Sustainable use of natural resources		
		No performance determined

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

3.3 Air permeability

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

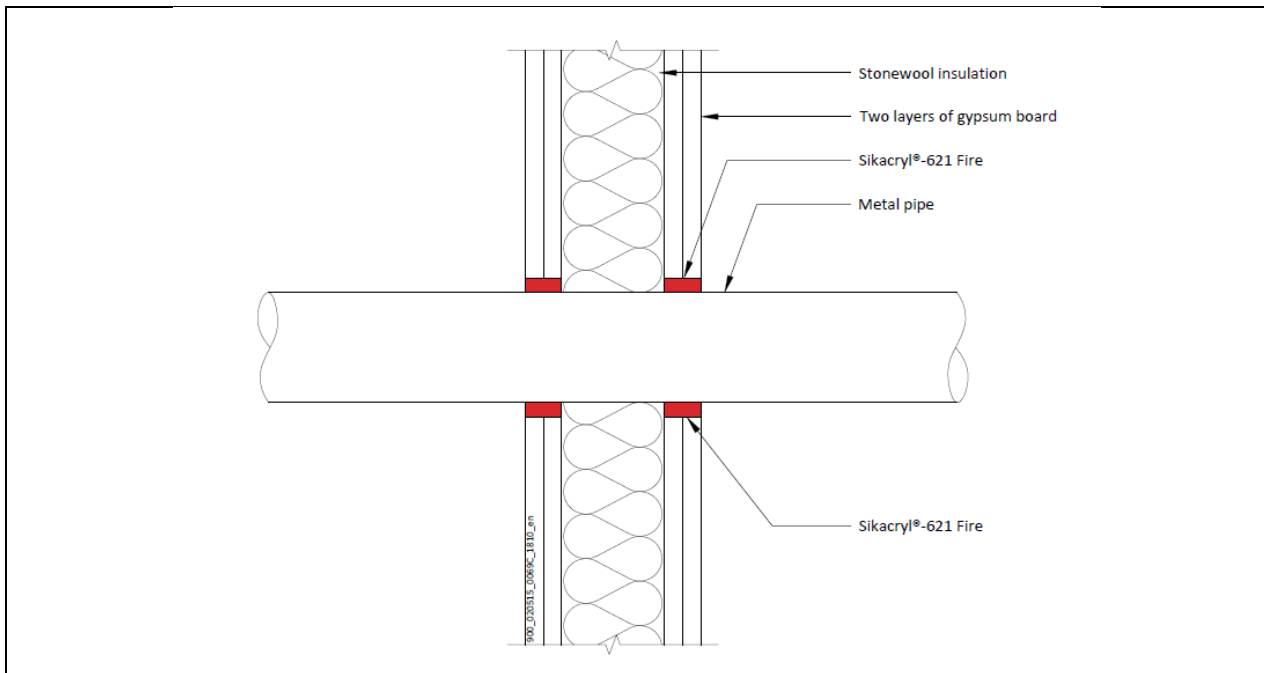
Product tested			Sikacryl®-621 Fire	
	Results under positive chamber pressure		Results under negative chamber pressure	
Pressure (Pa)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)
50	0,0	0,0	0,0	0,0
100	0,0	0,0	0,0	0,0
150	0,0	0,0	0,1	2,8
200	0,0	0,0	0,1	2,8
250	0,0	0,0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

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

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

A1.1 Sikacryl®-621 Fire. Min 120 mm thick Flexible or Rigid Wall – Pipes



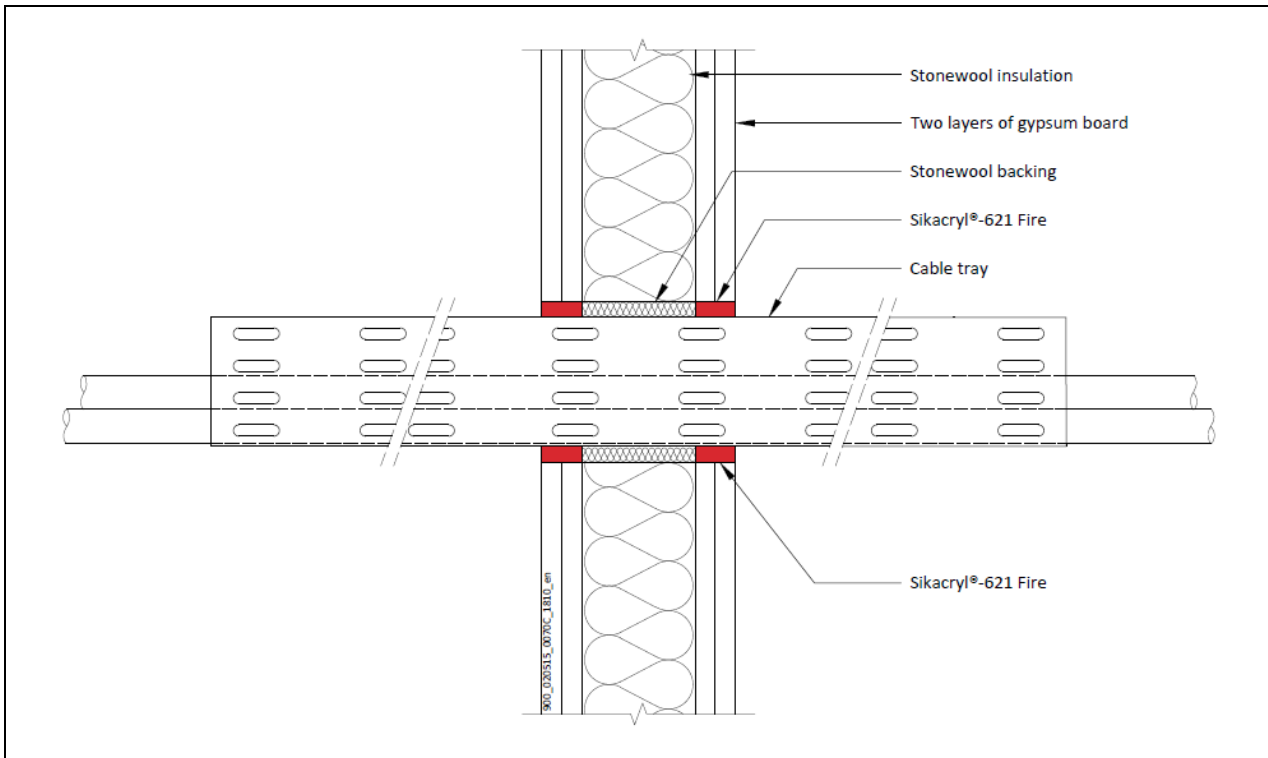
Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm ϕ , 0.8mm – 7.4mm wall thickness	10mm annulus x 25mm deep	N/A	E120 C/U E120 C/U
Copper/Steel Pipe 40mm ϕ , 0.8mm – 14.2mm wall thickness			E120 C/U E115 C/U
Copper/Steel Pipe 40-159mm ϕ , 1.8mm – 14.2mm wall thickness			E120 C/U
Copper/Steel Pipe 40mm ϕ , 0.8mm – 14.2mm wall thickness*			E120 C/U E190 C/U
Copper/Steel Pipe 40-159mm ϕ , 1.8mm – 14.2mm wall thickness*			E120 C/U E120 C/U

* Thermal defence wrap to the unexposed face 300mm long

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

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

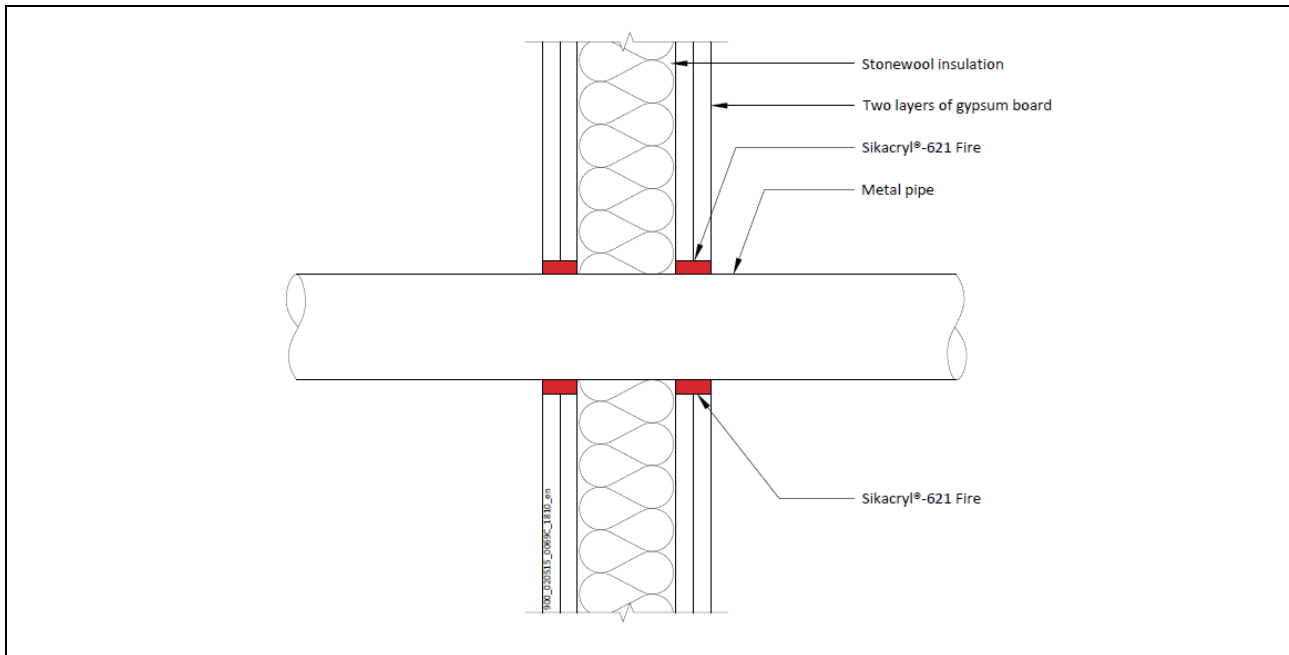


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Cables up to 21mm	490mm long x 100mm high x 25mm deep	70mm thick, 80Kg/m ³	E120 EI90
Perforated Cable Tray 450mm x 50mm			
Cables up to 21-50mm	200mm long x 100mm high x 25mm deep	N/A	E90 EI60

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

A1.3 Sikacryl®-621 Fire. Min 100 mm thick Flexible or Rigid Wall – Pipes

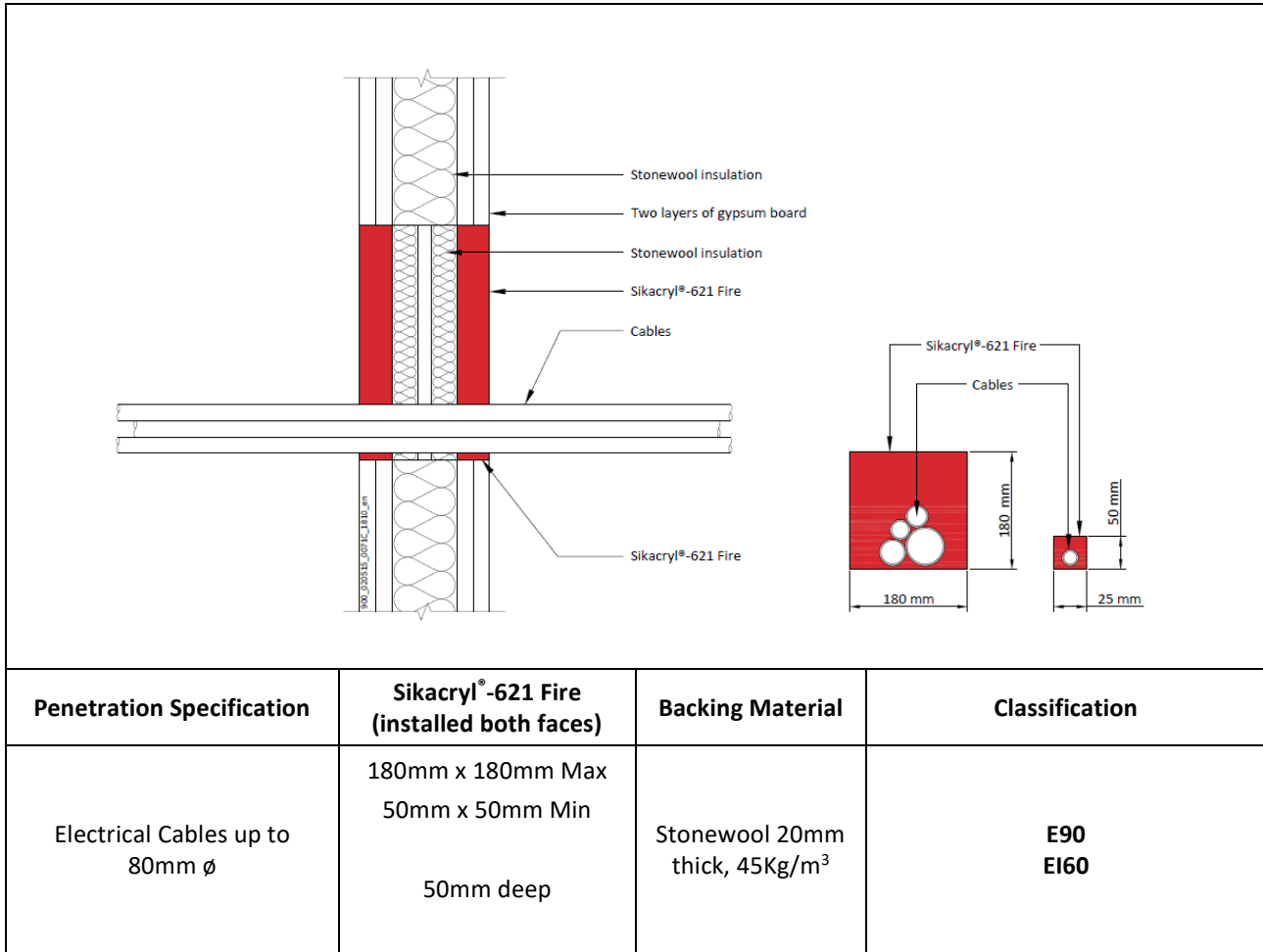


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Steel Pipe 42mm ϕ , 2.8mm – 14.2mm wall thickness	10mm annulus x 25mm deep	N/A	E120 C/U E145 C/U
Steel Pipe 114mm ϕ , 3.0mm – 14.2mm wall thickness			E120 C/U E120 C/U
Steel Pipe 42-115mm ϕ , 3.0mm – 14.2mm wall thickness			E120 C/U E120 C/U
PVCu Pipe 40mm ϕ , 3.0 wall thickness*			EI120 C/U

Declaration of Performance

Sikacryl®-621 Fire
 39166102
 2019.01 , ver. 01
 1545

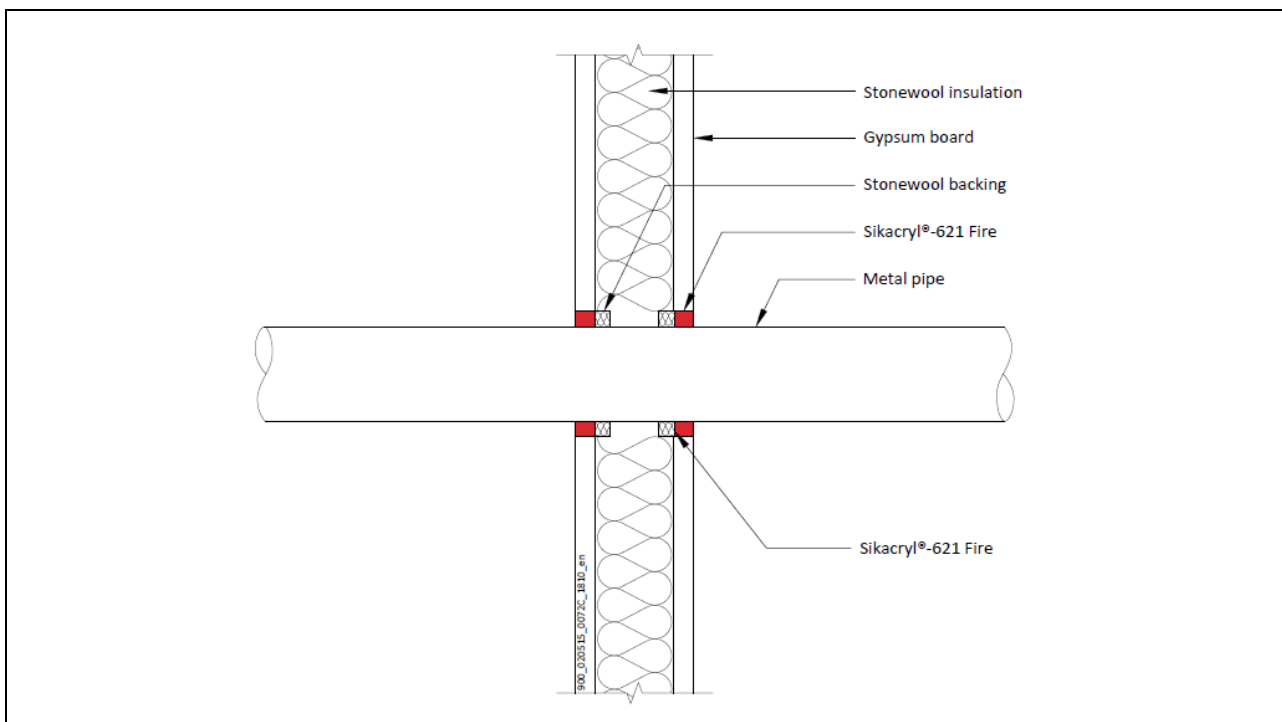
A1.4 Sikacryl®-621 Fire. Min 100 mm thick Flexible or Rigid Wall - Cables



Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

A1.5 Sikacryl®-621 Fire. Min 75 mm thick Flexible or Rigid Wall - Pipes

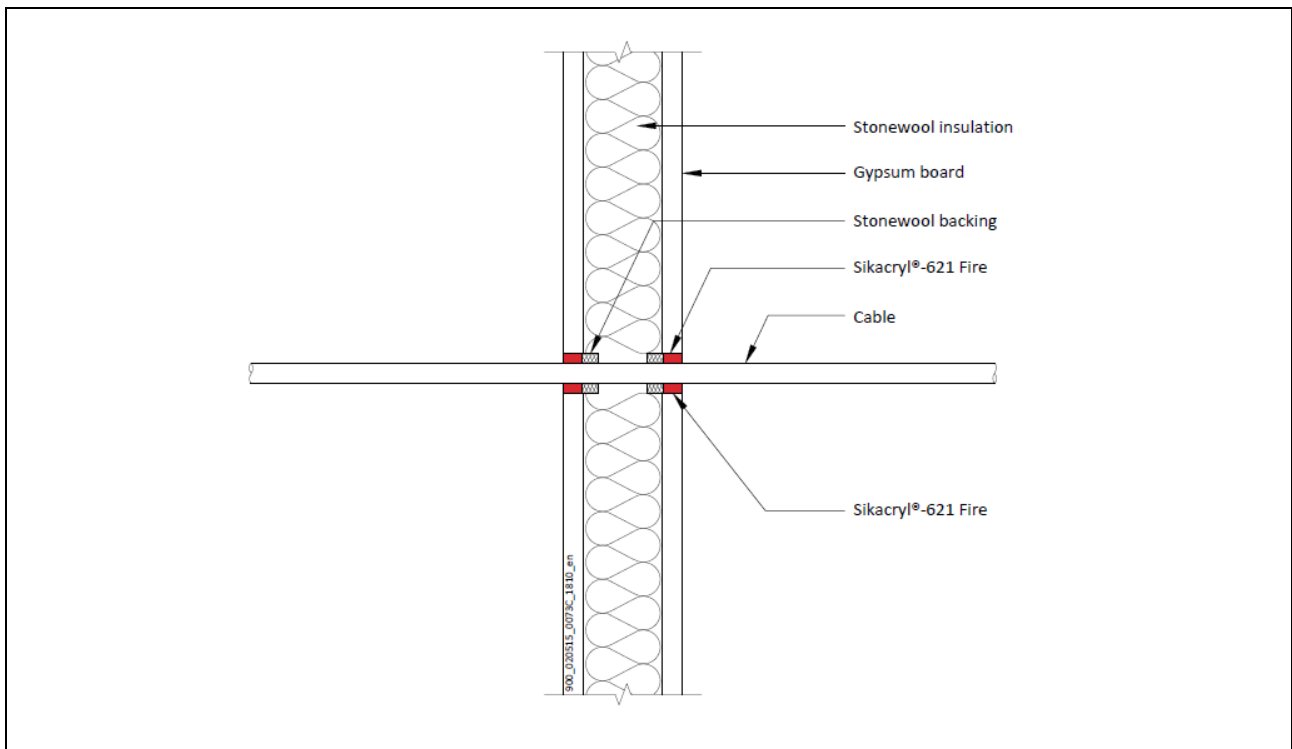


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm ϕ , 0.7mm – 7.5mm wall thickness	10mm annulus x 12mm deep	Stonewool 10mm deep 45kg/m ³	E90 C/U E160 C/U
Copper/Steel Pipe 15-54mm ϕ , 1.2mm – 7.5mm wall thickness			E90 C/U
Steel Pipe 15mm ϕ , 1.0mm – 14.2mm wall thickness			E190 C/U
Steel Pipe 15-76mm ϕ , 2.0mm – 14.2mm wall thickness			E90 C/U E120 C/U

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

A1.6 Sikacryl®-621 Fire. Min 75 mm thick Flexible or Rigid Wall – Cables



Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
1 x 'B' Cable	25mm ø aperture	Stonewool 50mm thick, 45Kg/m ³	E90 EI60

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

**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



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



.....

.....

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 350141-00-1106	26054930

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545



FULL CE MARKING

 19
Sika Services AG, Zurich, Switzerland
39166102
EAD 350454-00-1104:2017
1121
Fire stopping and fire sealing products, penetration seals

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

The assessment of fitness for use has been made in accordance with EAD 350454-00-1104

Product Type: Sealant		Intended use: Penetration 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 350454-00-1104	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

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

3.3 Air permeability

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

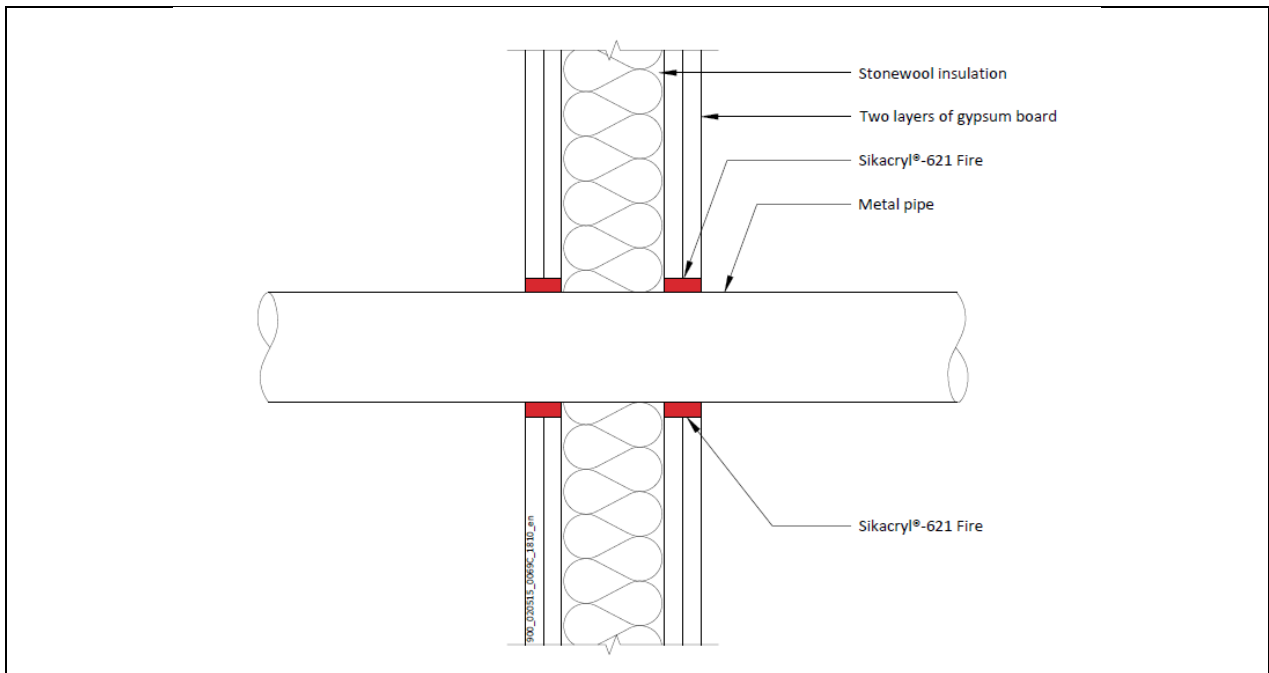
Product tested			Sikacryl®-621 Fire	
	Results under positive chamber pressure		Results under negative chamber pressure	
Pressure (Pa)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)	Leakage (m ³ /h)	Leakage (m ³ /m ³ /h)
50	0,0	0,0	0,0	0,0
100	0,0	0,0	0,0	0,0
150	0,0	0,0	0,1	2,8
200	0,0	0,0	0,1	2,8
250	0,0	0,0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

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

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

A1.1 Sikacryl®-621 Fire. Min 120 mm thick Flexible or Rigid Wall – Pipes



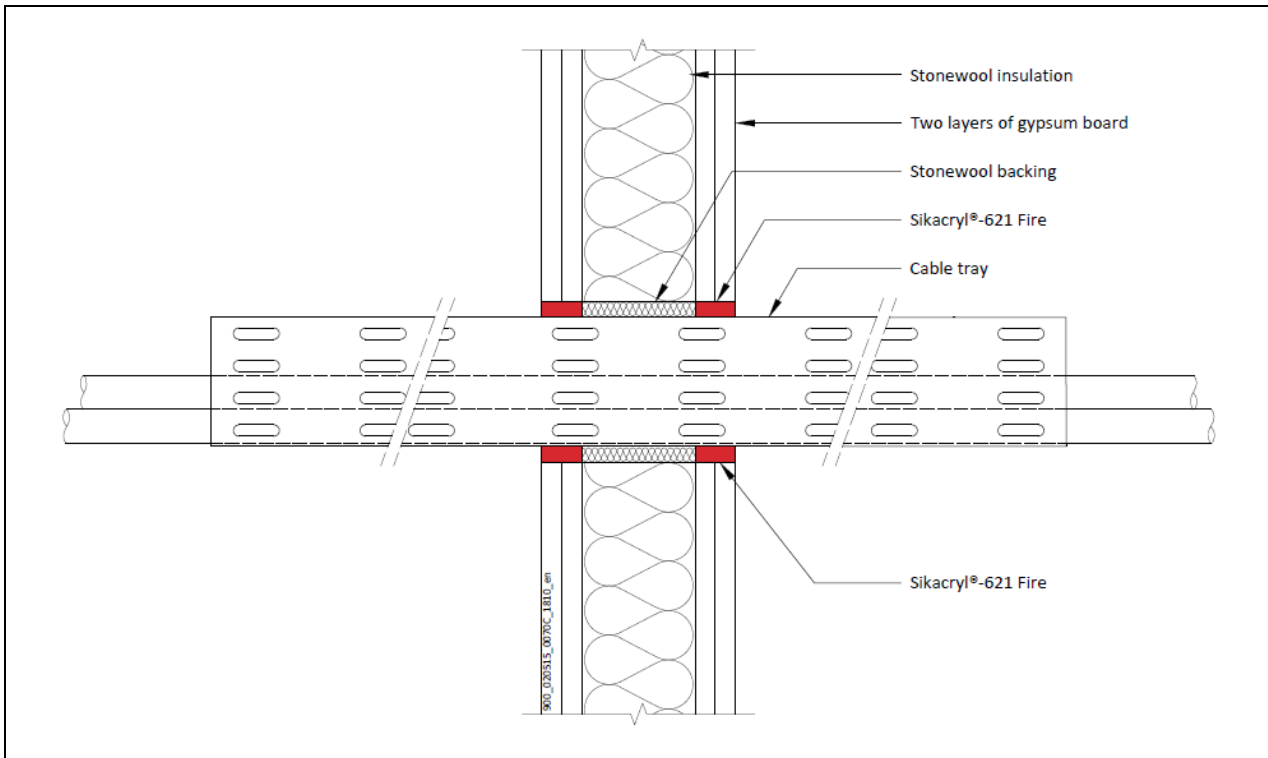
Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm ϕ , 0.8mm – 7.4mm wall thickness	10mm annulus x 25mm deep	N/A	E120 C/U E120 C/U
Copper/Steel Pipe 40mm ϕ , 0.8mm – 14.2mm wall thickness			E120 C/U E115 C/U
Copper/Steel Pipe 40-159mm ϕ , 1.8mm – 14.2mm wall thickness			E120 C/U
Copper/Steel Pipe 40mm ϕ , 0.8mm – 14.2mm wall thickness*			E120 C/U E190 C/U
Copper/Steel Pipe 40-159mm ϕ , 1.8mm – 14.2mm wall thickness*			E120 C/U E120 C/U

* Thermal defence wrap to the unexposed face 300mm long

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

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

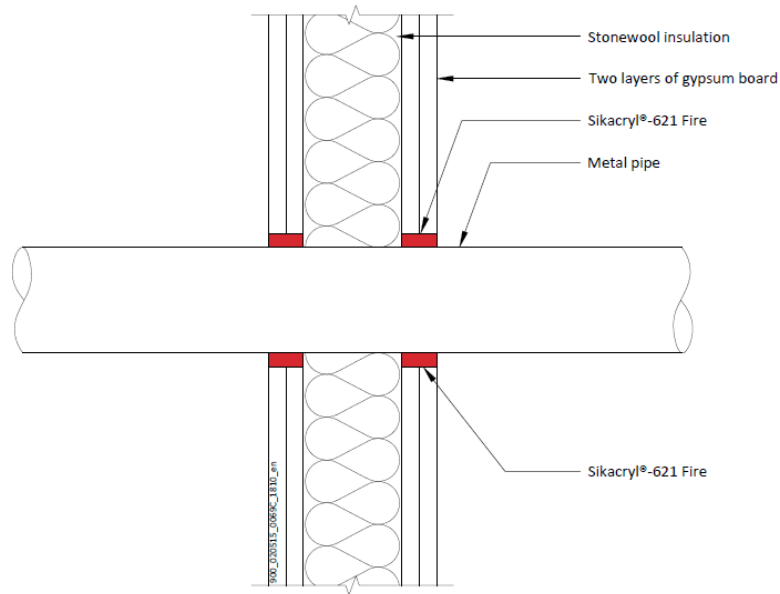


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Cables up to 21mm	490mm long x 100mm high x 25mm deep	70mm thick, 80Kg/m ³	E120 EI90
Perforated Cable Tray 450mm x 50mm			
Cables up to 21-50mm	200mm long x 100mm high x 25mm deep	N/A	E90 EI60

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

A1.3 Sikacryl®-621 Fire. Min 100 mm thick Flexible or Rigid Wall – Pipes

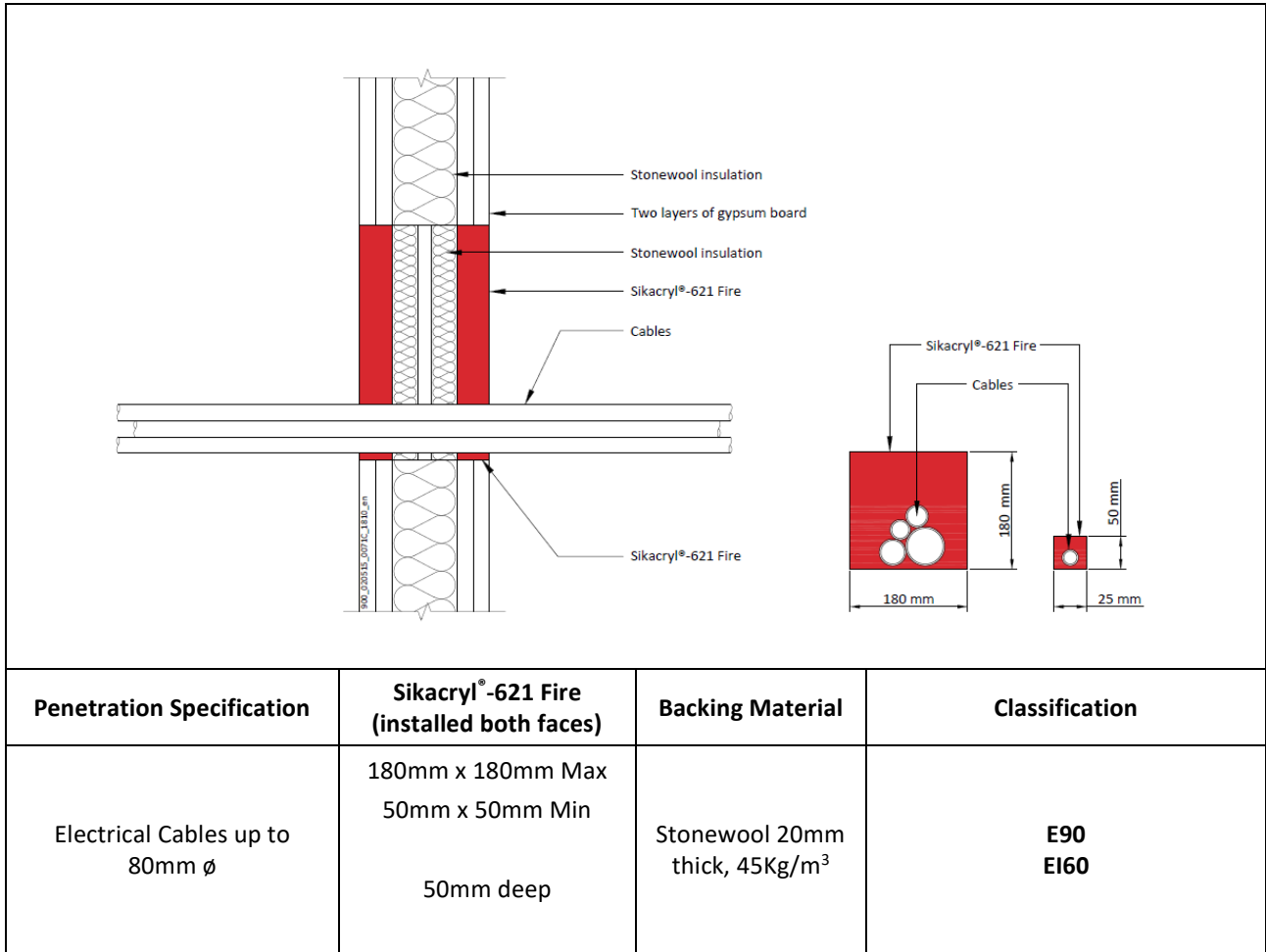


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Steel Pipe 42mm ϕ , 2.8mm – 14.2mm wall thickness	10mm annulus x 25mm deep	N/A	E120 C/U E145 C/U
Steel Pipe 114mm ϕ , 3.0mm – 14.2mm wall thickness			E120 C/U E120 C/U
Steel Pipe 42-115mm ϕ , 3.0mm – 14.2mm wall thickness			E120 C/U E120 C/U
PVCu Pipe 40mm ϕ , 3.0 wall thickness*			EI120 C/U

Declaration of Performance

Sikacryl®-621 Fire
 39166102
 2019.01 , ver. 01
 1545

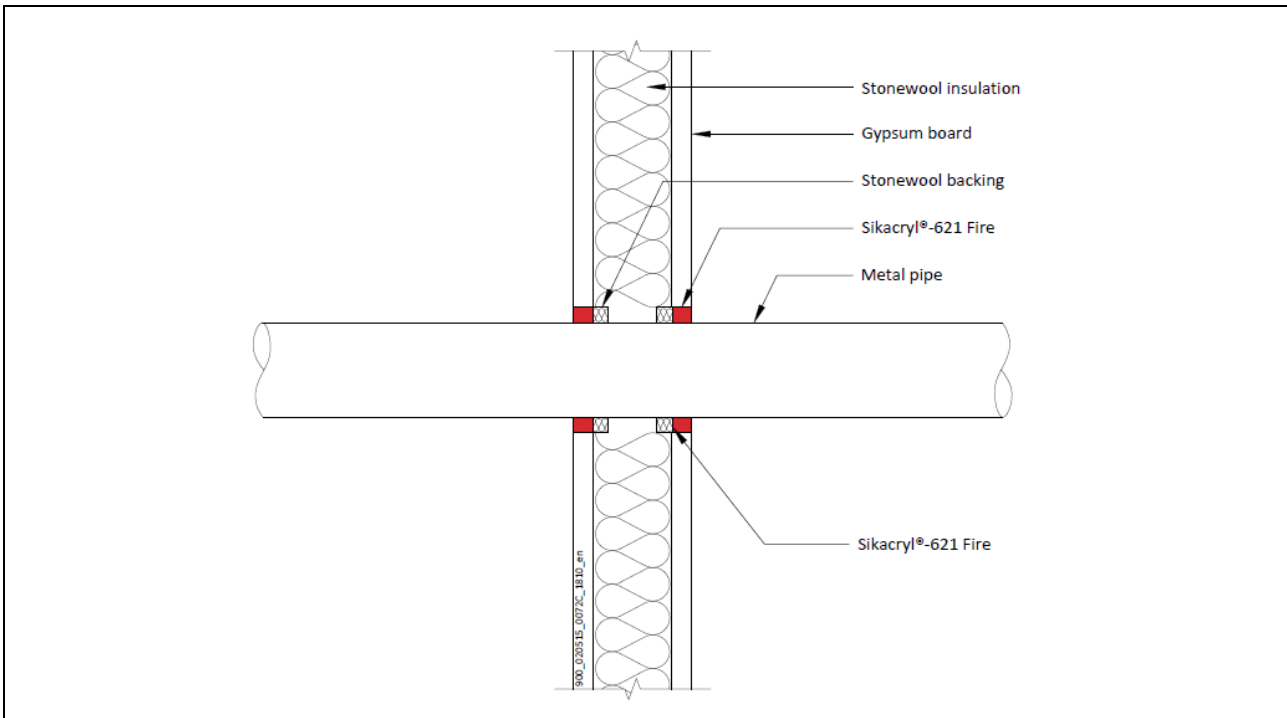
A1.4 Sikacryl®-621 Fire. Min 100 mm thick Flexible or Rigid Wall - Cables



Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

A1.5 Sikacryl®-621 Fire. Min 75 mm thick Flexible or Rigid Wall - Pipes

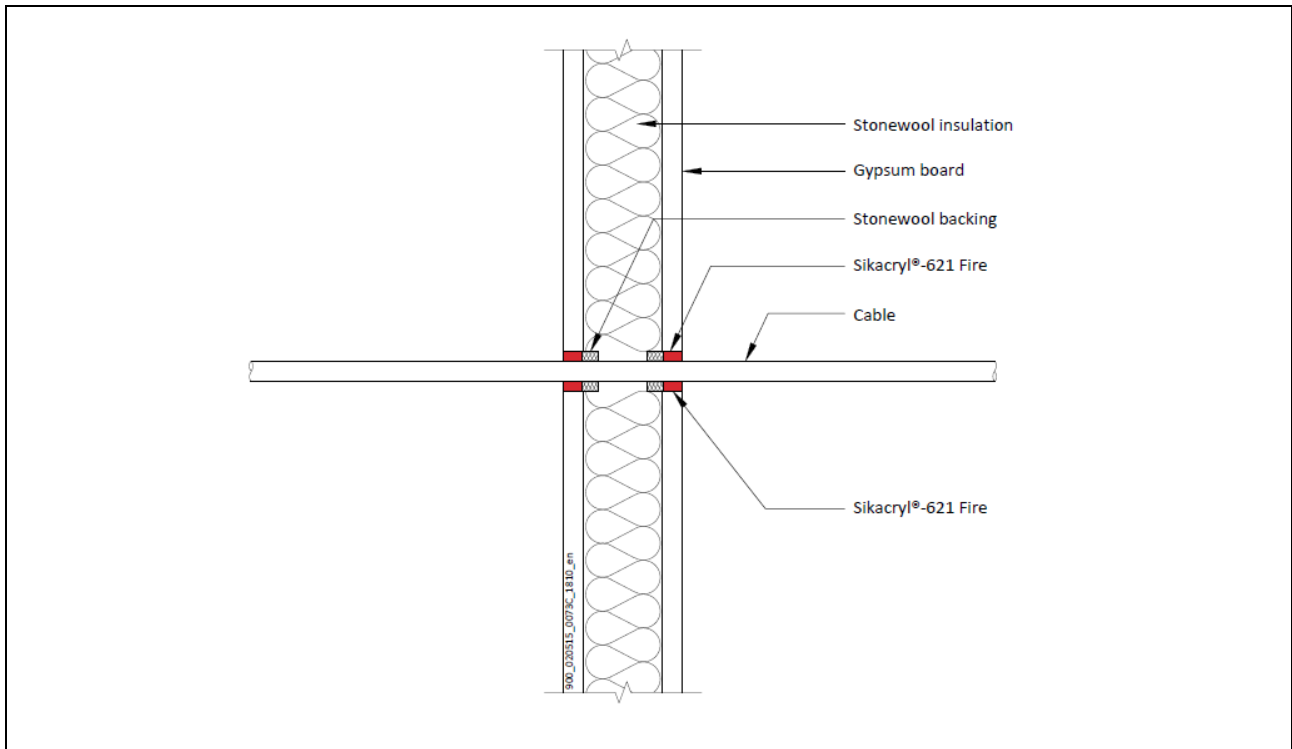


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm ϕ , 0.7mm – 7.5mm wall thickness	10mm annulus x 12mm deep	Stonewool 10mm deep 45kg/m ³	E90 C/U E160 C/U
Copper/Steel Pipe 15-54mm ϕ , 1.2mm – 7.5mm wall thickness			E90 C/U
Steel Pipe 15mm ϕ , 1.0mm – 14.2mm wall thickness			E190 C/U
Steel Pipe 15-76mm ϕ , 2.0mm – 14.2mm wall thickness			E90 C/U E120 C/U

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

A1.6 Sikacryl®-621 Fire. Min 75 mm thick Flexible or Rigid Wall – Cables



Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
1 x 'B' Cable	25mm ø aperture	Stonewool 50mm thick, 45Kg/m ³	E90 EI60

dop.sika.com

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

CE MARKING TO BE PLACED ON THE LABEL

 19
Sika Services AG, Zurich, Switzerland
39166102
EAD 350454-00-1104:2017
1121
Fire stopping and fire sealing products, penetration seals
For details see accompanying documents
dop.sika.com

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.

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

20/21

BUILDING TRUST



Sika Danmark A/S
Hirsemarken 5
3520 Farum
Danmark
www.sika.dk

Declaration of Performance

Sikacryl®-621 Fire
39166102
2019.01 , ver. 01
1545

21/21

BUILDING TRUST

