

# Sikacryl<sup>®</sup>-621 Fire

## YTELSESERKLÆRING

### Nr. 66205564

1	<b>PRODUKTYPENS ENTYDIGE IDENTIFIKASJONSKODE:</b>	66205564
2	<b>TILSIKTET BRUKSOMRÅDE:</b>	ETA 18/1052/ EAD 350454-00-1104:2017 Fire stopping and fire sealing products, penetration seals
3	<b>FABRIKANT:</b>	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	<b>OPPNEVNT REPRESENTANT:</b>	
5	<b>SYSTEM FOR VURDERING OG KONTROLL AV YTEEVNE:</b>	System 1
6b	<b>EUROPEISK BEDØMMELSESDOKUMENT:</b>	EAD 350454-00-1104, Edition 2017 Fire Stopping and Fire Sealing Products, Penetration Seals
	Europeisk teknisk bedømmelse:	ETA 18/1052 of 23/01/2019
	Teknisk bedømmelsesorgan:	Warrington Fire Testing and Certification Limited
	Tekniske kontrollorgan:	1121, 2812

#### Declaration of Performance

Sikacryl<sup>®</sup>-621 Fire  
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## 7 ANGITT YTELSE

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
<b>BWR 1 Mechanical resistance and stability</b>		
	None	Not relevant
<b>BWR 2 Safety in case of fire</b>		
EN 13501-1	Reaction to fire	No performance determined
EN 13501-2	Resistance to fire	Annex A
<b>BWR 3 Hygiene, Health and the Environment</b>		
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
<b>BWR 4 Safety in use</b>		
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
<b>BWR 5 Protection against noise</b>		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	BS EN 10142-2: Rw (C;Ctr)= 38(-2;-7)
<b>BWR 6 Energy, Economy and Heat Retention</b>		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN12086	Water vapour permeability	No performance determined
<b>General aspects relating to fitness for use</b>		
EOTA TR 024:2009	Durability and serviceability	Z1
<b>BWR 7 Sustainable use of natural resources</b>		
		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:

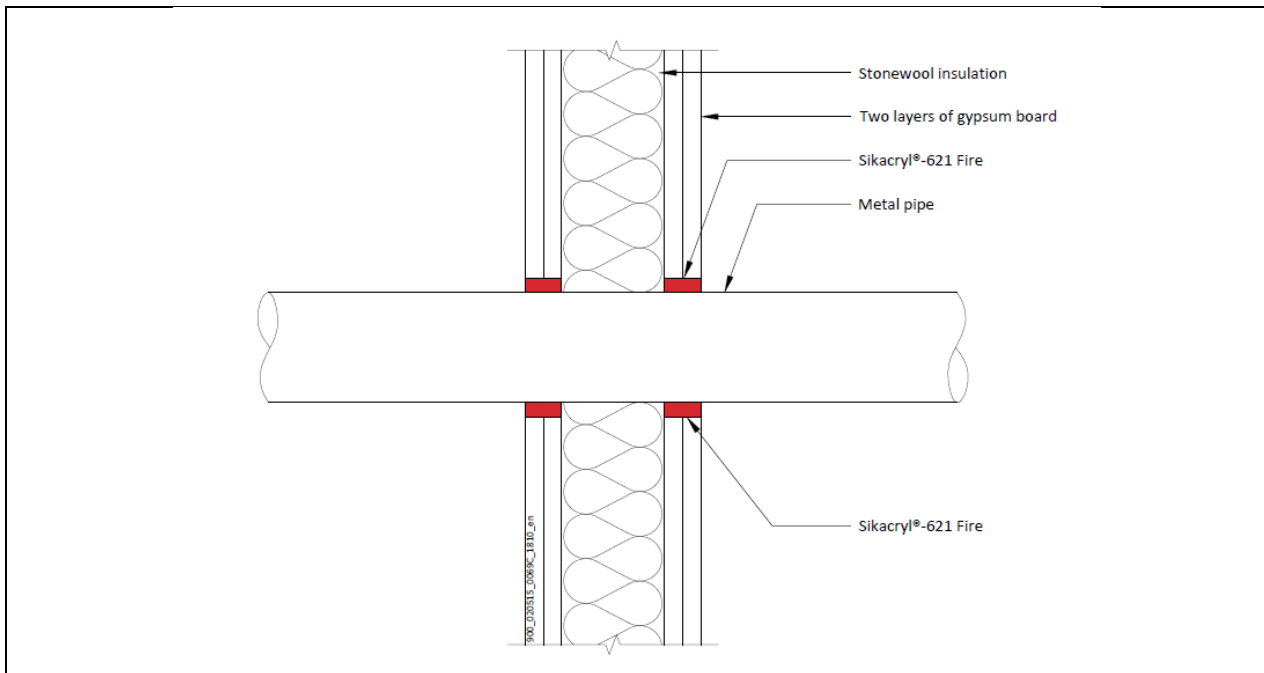
Product tested			Sikacryl®-621 Fire	
Pressure (Pa)	Results under positive chamber pressure		Results under negative chamber pressure	
	Leakage (m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /m <sup>3</sup> /h)
50	0,0	0,0	0,0	0,0
100	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

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



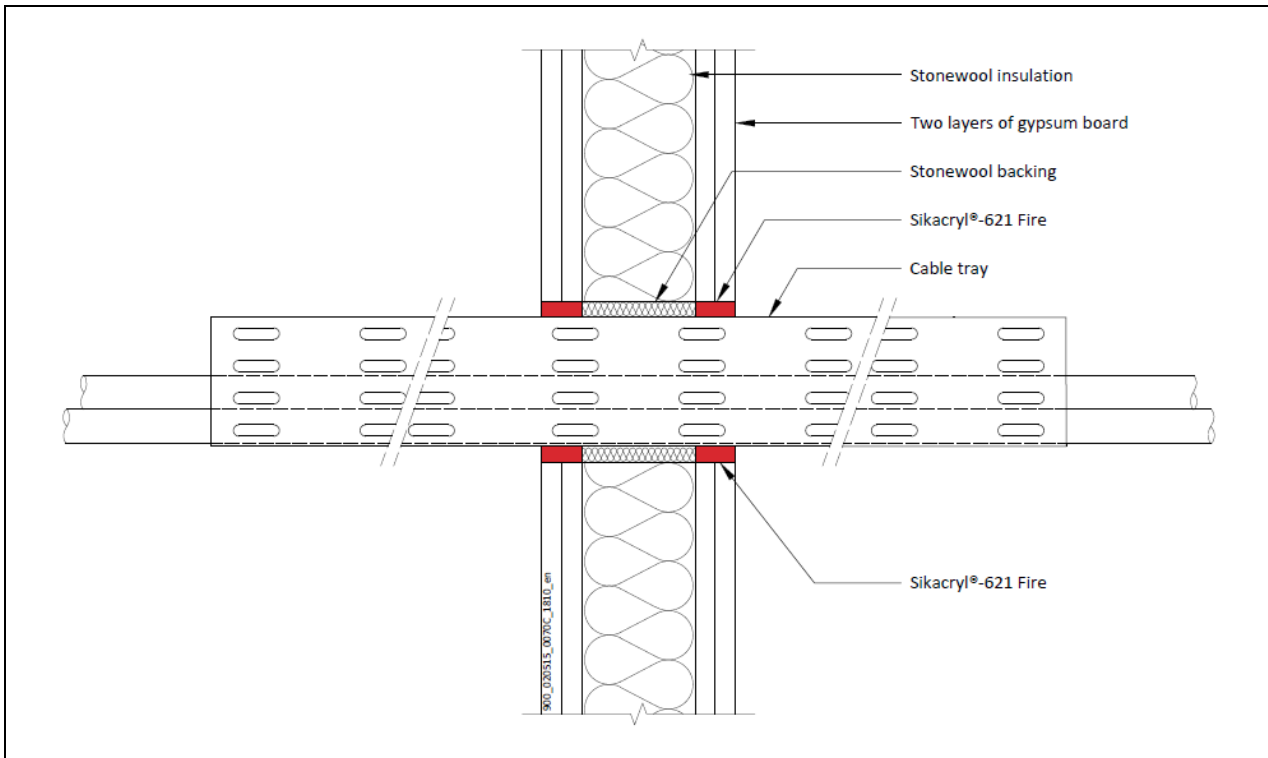
Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm $\phi$ , 0.8mm – 7.4mm wall thickness	10mm annulus x 25mm deep	N/A	E120 C/U E120 C/U
Copper/Steel Pipe 40mm $\phi$ , 0.8mm – 14.2mm wall thickness			E120 C/U E115 C/U
Copper/Steel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

\* Thermal defence wrap to the unexposed face 300mm long

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

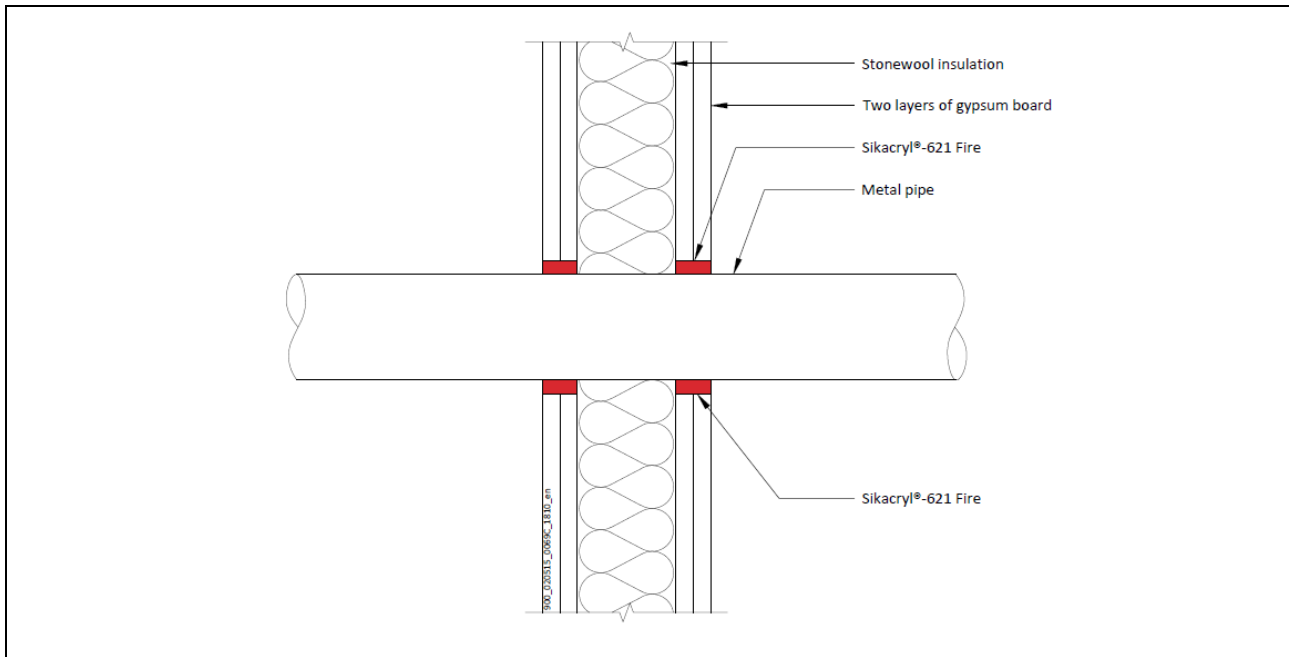


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Cables up to 21mm	490mm long x 100mm high x 25mm deep	70mm thick, 80Kg/m <sup>3</sup>	<b>E120</b> <b>EI90</b>
Perforated Cable Tray 450mm x 50mm			
Cables up to 21-50mm	200mm long x 100mm high x 25mm deep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

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

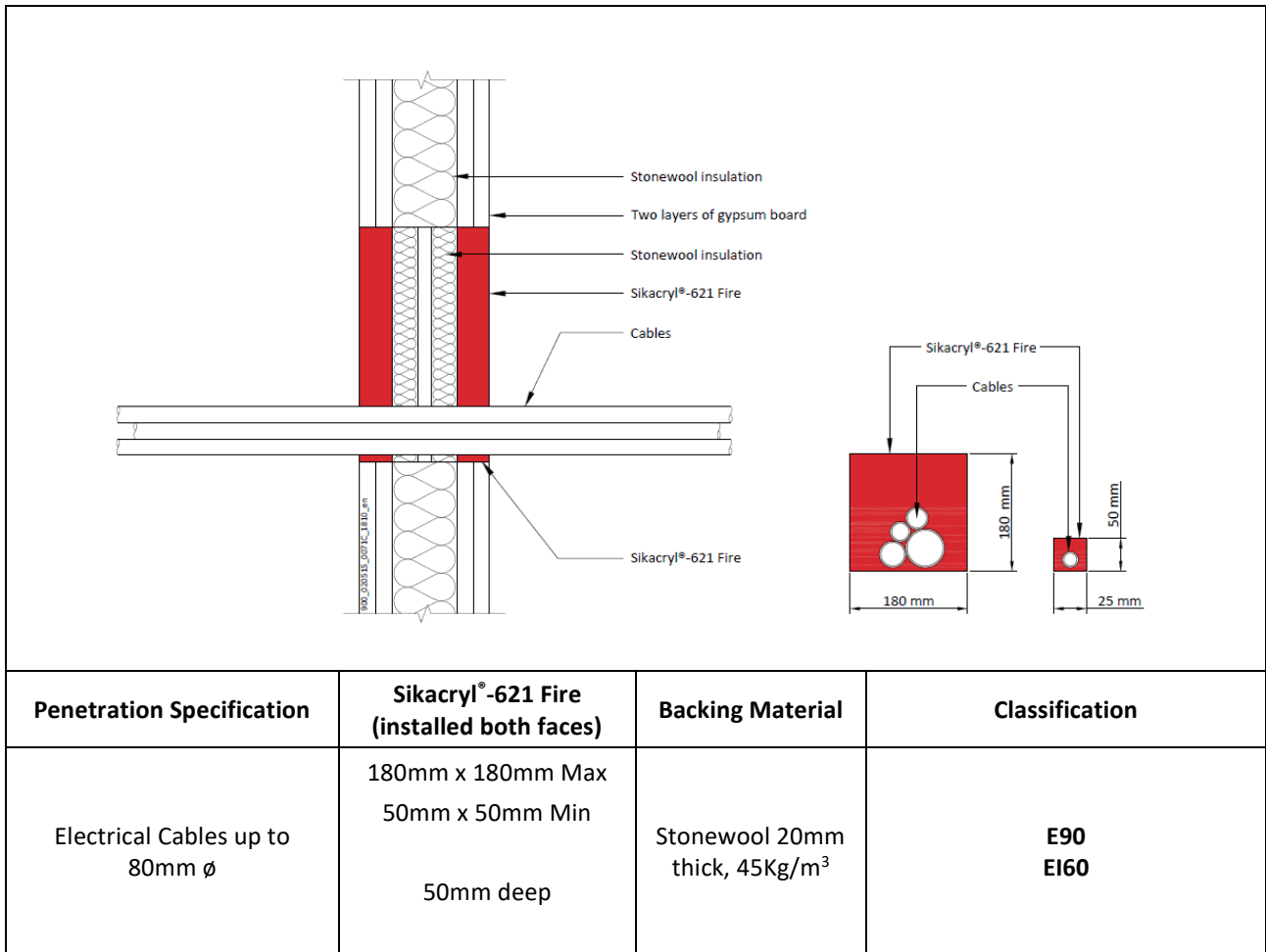


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Steel Pipe 42mm $\phi$ , 2.8mm – 14.2mm wall thickness	10mm annulus x 25mm deep	N/A	E120 C/U EI45 C/U
Steel Pipe 114mm $\phi$ , 3.0mm – 14.2mm wall thickness			E120 C/U EI20 C/U
Steel Pipe 42-115mm $\phi$ , 3.0mm – 14.2mm wall thickness			E120 C/U EI20 C/U
PVCu Pipe 40mm $\phi$ , 3.0 wall thickness*			EI120 C/U

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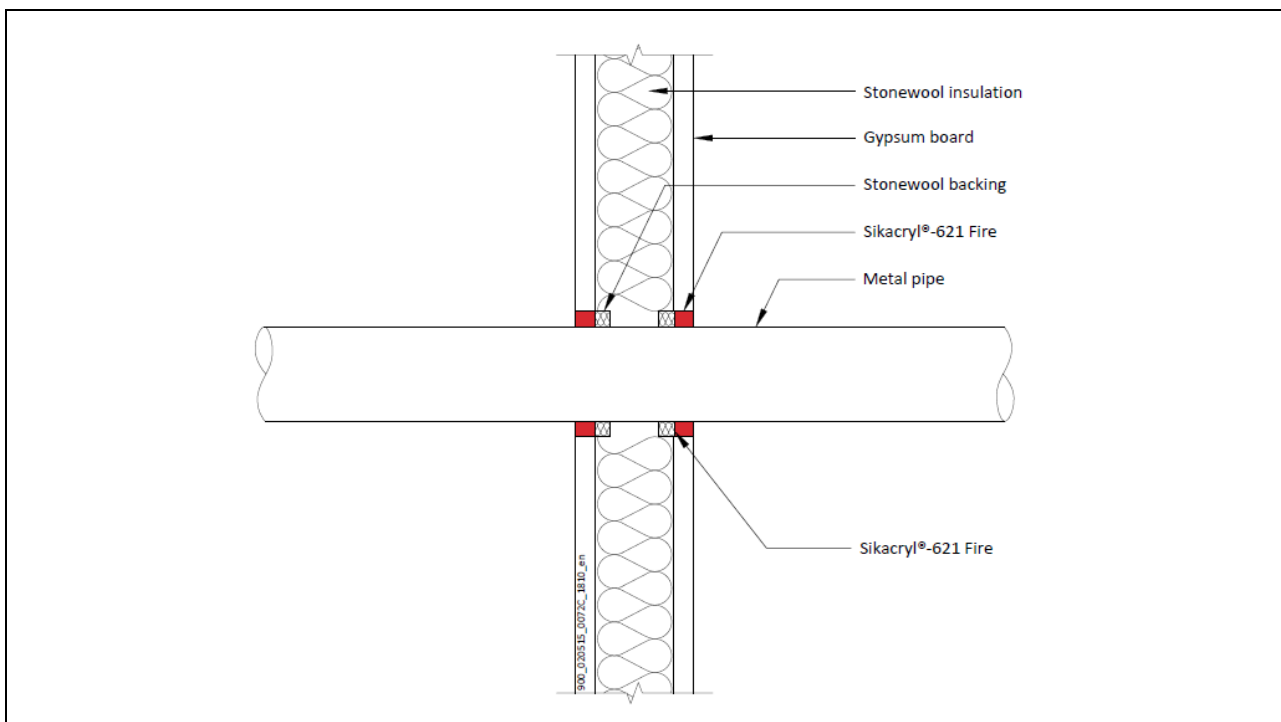
A1.4 Sikacryl®-621 Fire. Min 100 mm thick Flexible or Rigid Wall - Cables



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



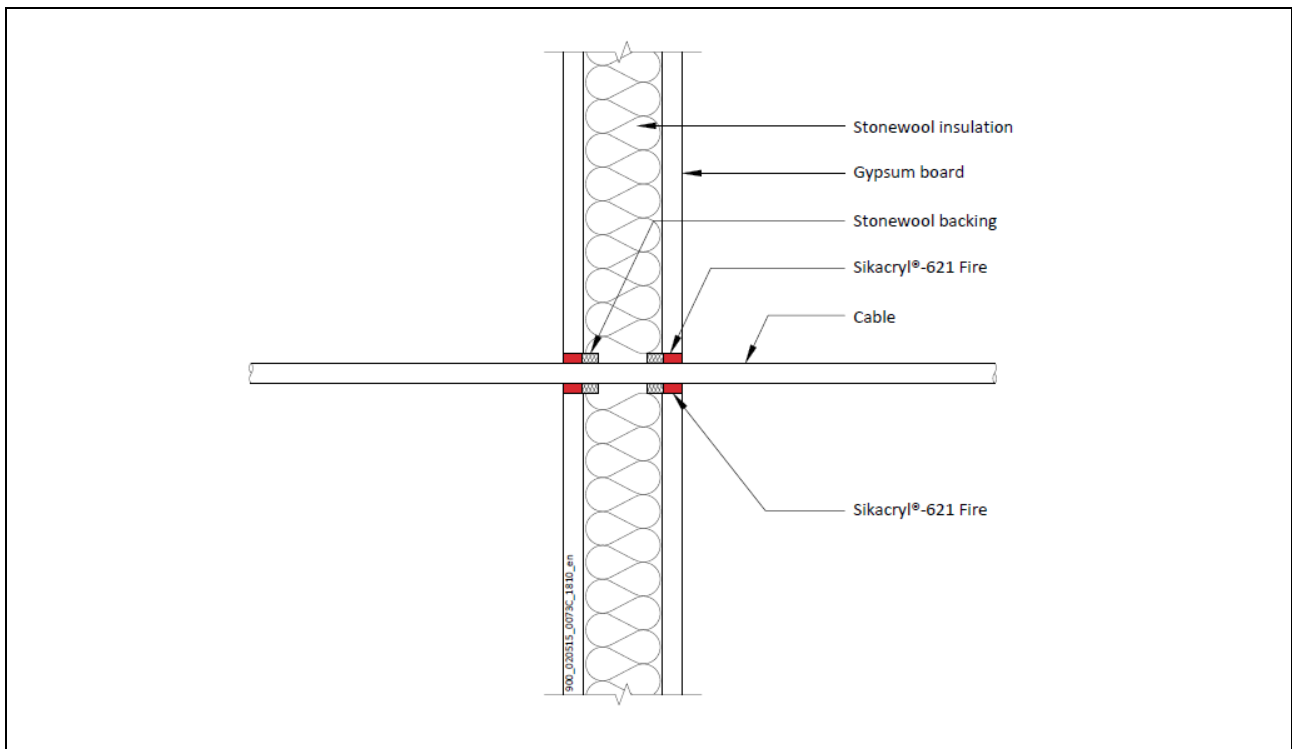
Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm $\phi$ , 0.7mm – 7.5mm wall thickness	10mm annulus x 12mm deep	Stonewool 10mm deep 45kg/m <sup>3</sup>	E90 C/U E160 C/U
Copper/Steel Pipe 15-54mm $\phi$ , 1.2mm – 7.5mm wall thickness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

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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 <sup>3</sup>	<b>E90</b> <b>EI60</b>

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**8 RELEVANT TEKNISK DOKUMENTASJON OG/ELLER SPESIFIKK TEKNISK DOKUMENTASJON**

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Ytelsen for varen som angitt i pkt. 1 og 2, er i samsvar med ytelsen angitt i pkt. 7. Denne ytelseserklæringen er utstedt i samsvar med forskrift (EU) nr. 305/2011 på eget ansvar av produsenten, som angitt i pkt. 3.

Undertegnet for og på vegne av produsenten av:

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Navn: Ralph Spielmann  
Funksjon: General Manager  
Sika Norge AS  
Sted Skjetten dato: 27. juli 2020

Navn : Ingrid Kalstad  
Funksjon: Technical Manager -  
Sealing & Bonding  
Sted Skjetten dato: 27. juli 2020



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Ovenstående informasjon i samsvar med krav i EU-forordning nr. 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 350141-00-1106:2017	86265704

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## FULL CE MARKING

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Sika Services AG, Zurich, Switzerland
66205564
EAD 350454-00-1104:2017
1121, 2812
Fire stopping and fire sealing products, penetration seals

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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
<b>BWR 1 Mechanical resistance and stability</b>		
	None	Not relevant
<b>BWR 2 Safety in case of fire</b>		
EN 13501-1	Reaction to fire	No performance determined
EN 13501-2	Resistance to fire	Annex A
<b>BWR 3 Hygiene, Health and the Environment</b>		
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
<b>BWR 4 Safety in use</b>		
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
<b>BWR 5 Protection against noise</b>		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	BS EN 10142-2: Rw (C;Ctr)= 38(-2;-7)
<b>BWR 6 Energy, Economy and Heat Retention</b>		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN12086	Water vapour permeability	No performance determined
<b>General aspects relating to fitness for use</b>		
EOTA TR 024:2009	Durability and serviceability	Z1
<b>BWR 7 Sustainable use of natural resources</b>		
		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:

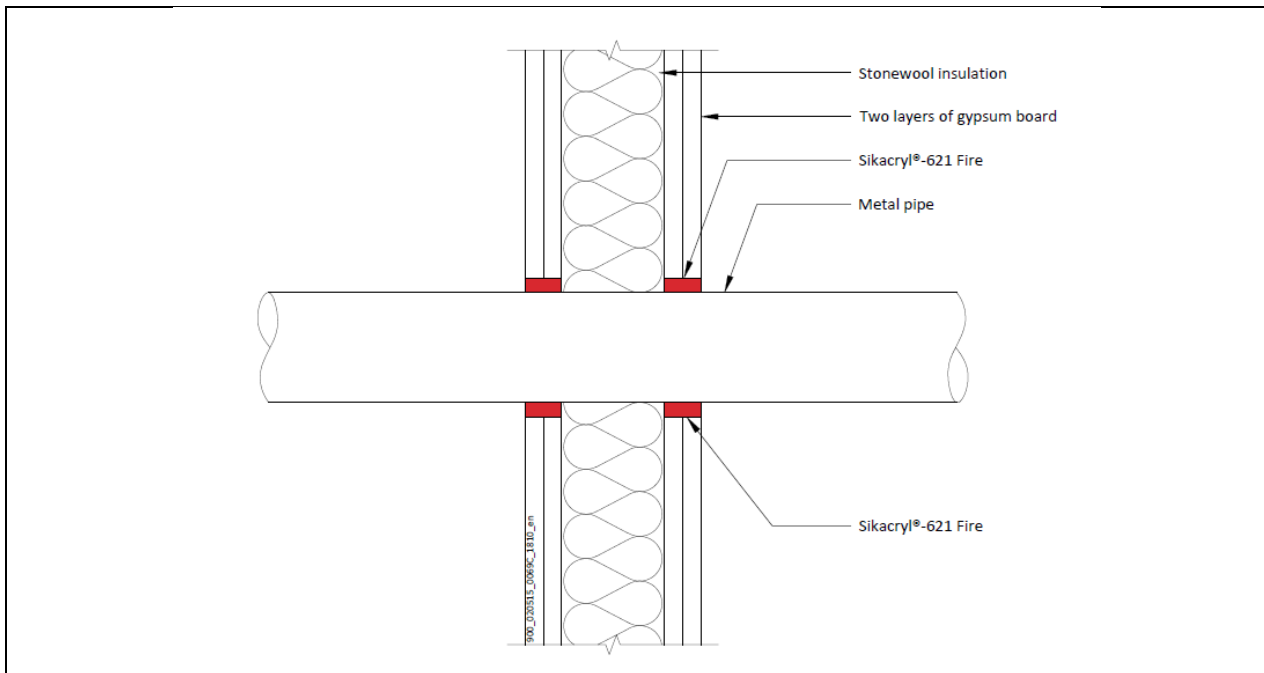
Product tested			Sikacryl®-621 Fire	
	Results under positive chamber pressure		Results under negative chamber pressure	
Pressure (Pa)	Leakage (m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /h)	Leakage (m <sup>3</sup> /m <sup>3</sup> /h)
50	0,0	0,0	0,0	0,0
100	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

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



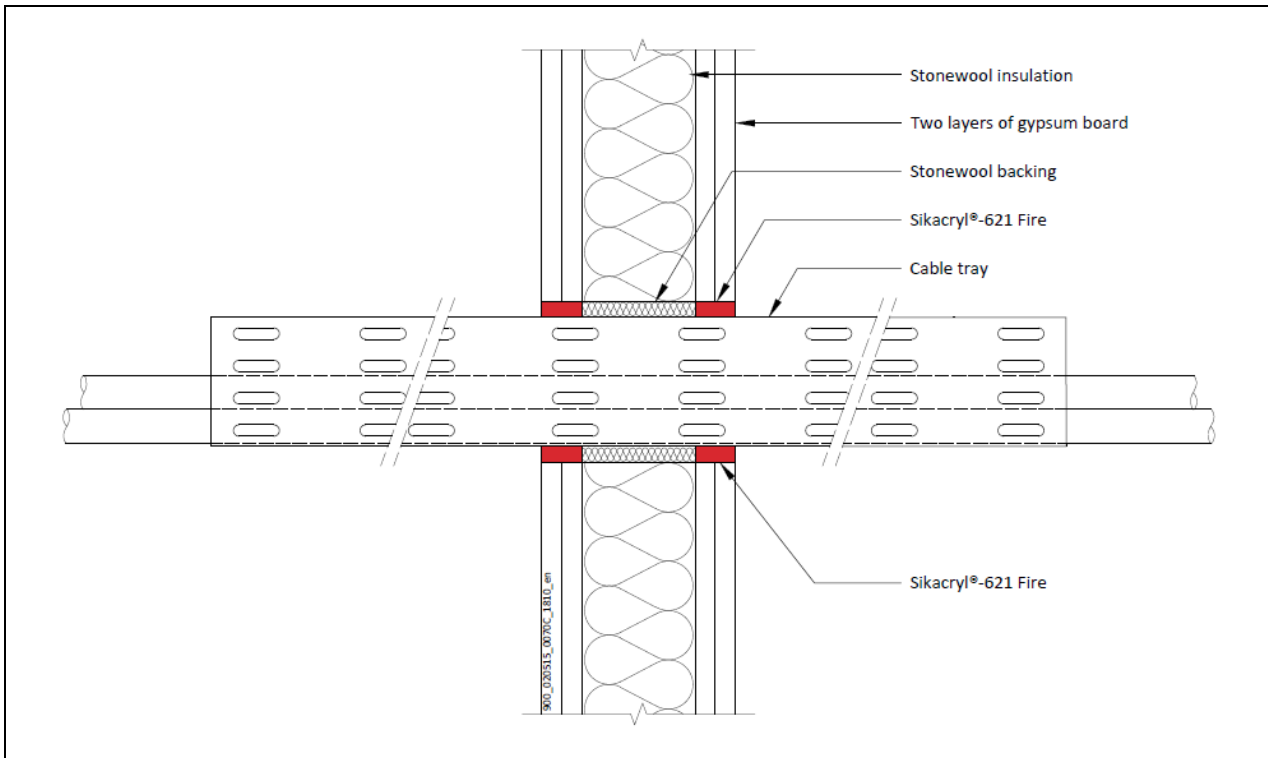
Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm $\phi$ , 0.8mm – 7.4mm wall thickness	10mm annulus x 25mm deep	N/A	<b>E120 C/U</b> <b>E120 C/U</b>
Copper/Steel Pipe 40mm $\phi$ , 0.8mm – 14.2mm wall thickness			<b>E120 C/U</b>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

\* Thermal defence wrap to the unexposed face 300mm long

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

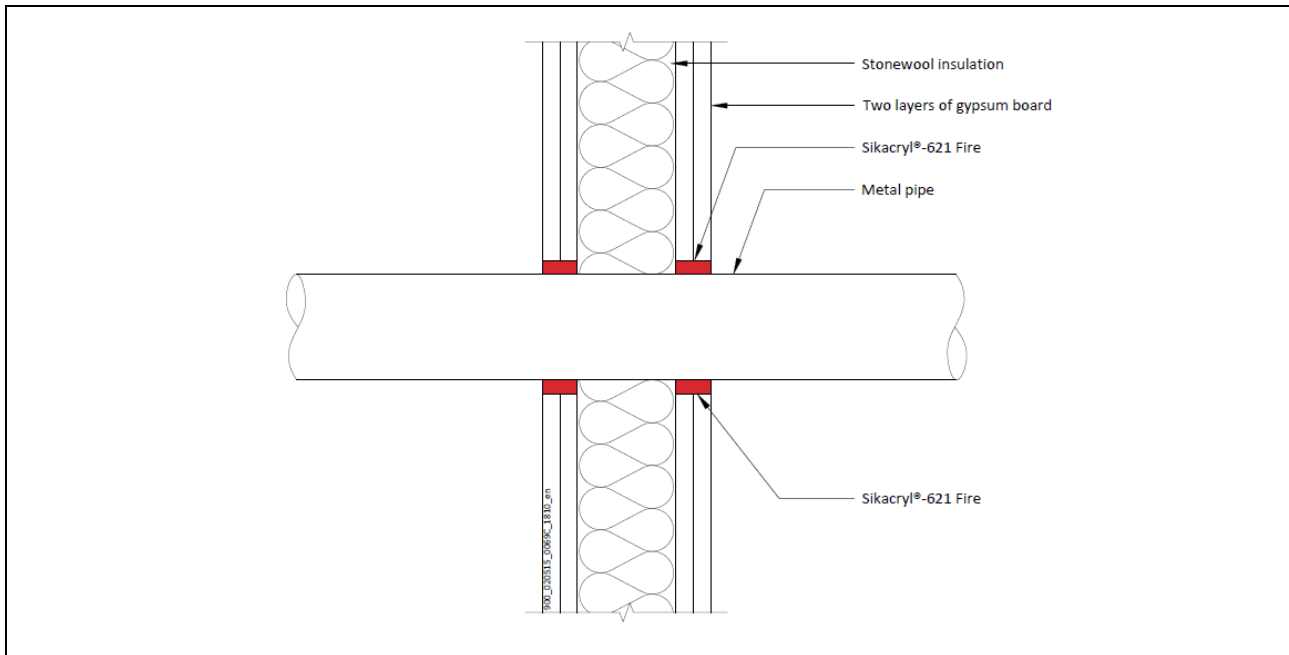


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Cables up to 21mm	490mm long x 100mm high x 25mm deep	70mm thick, 80Kg/m <sup>3</sup>	<b>E120</b> <b>EI90</b>
Perforated Cable Tray 450mm x 50mm			
Cables up to 21-50mm	200mm long x 100mm high x 25mm deep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

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



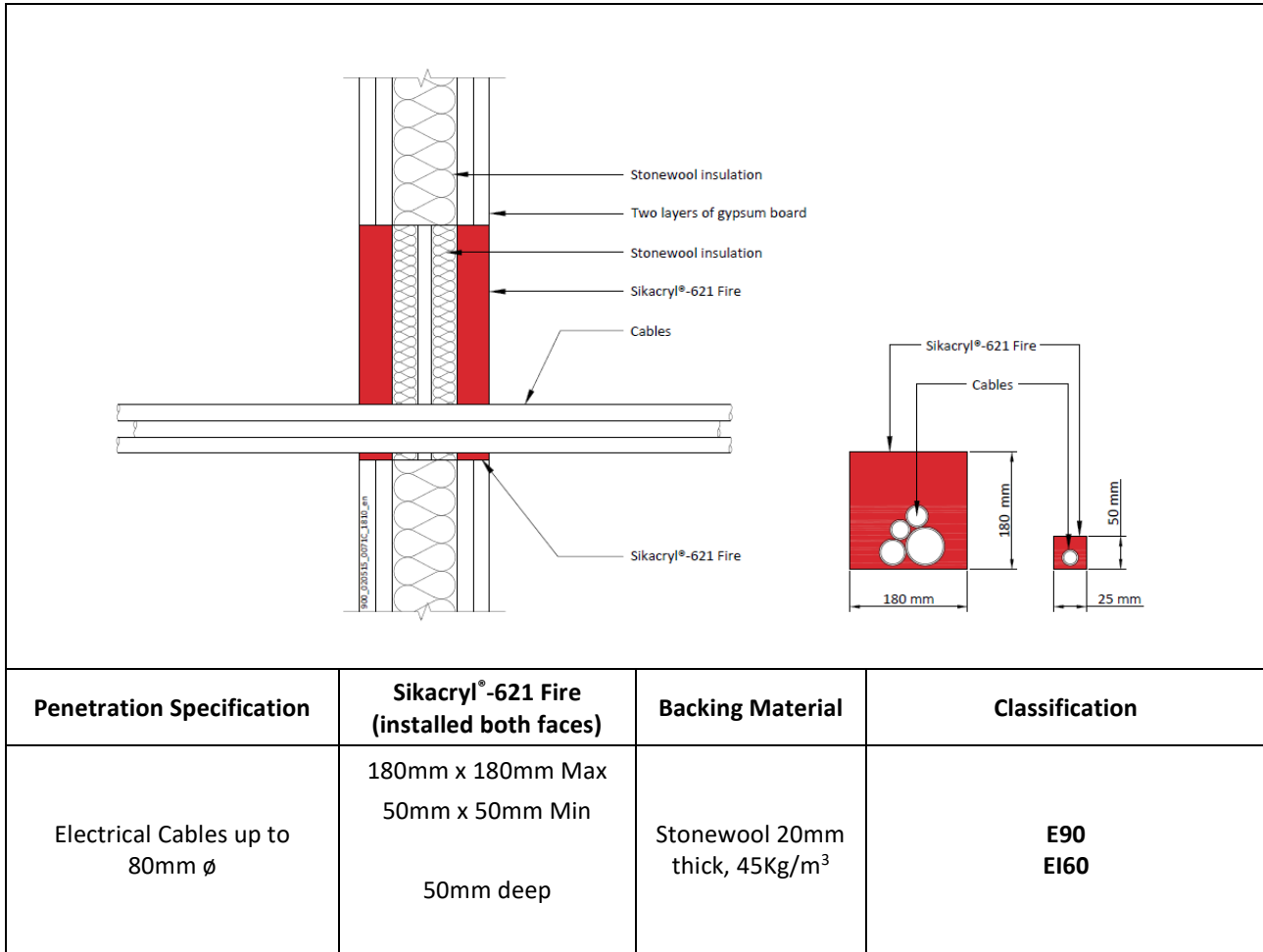
Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Steel Pipe 42mm $\phi$ , 2.8mm – 14.2mm wall thickness	10mm annulus x 25mm deep	N/A	E120 C/U EI45 C/U
Steel Pipe 114mm $\phi$ , 3.0mm – 14.2mm wall thickness			E120 C/U EI20 C/U
Steel Pipe 42-115mm $\phi$ , 3.0mm – 14.2mm wall thickness			E120 C/U EI20 C/U
PVCu Pipe 40mm $\phi$ , 3.0 wall thickness*			EI120 C/U

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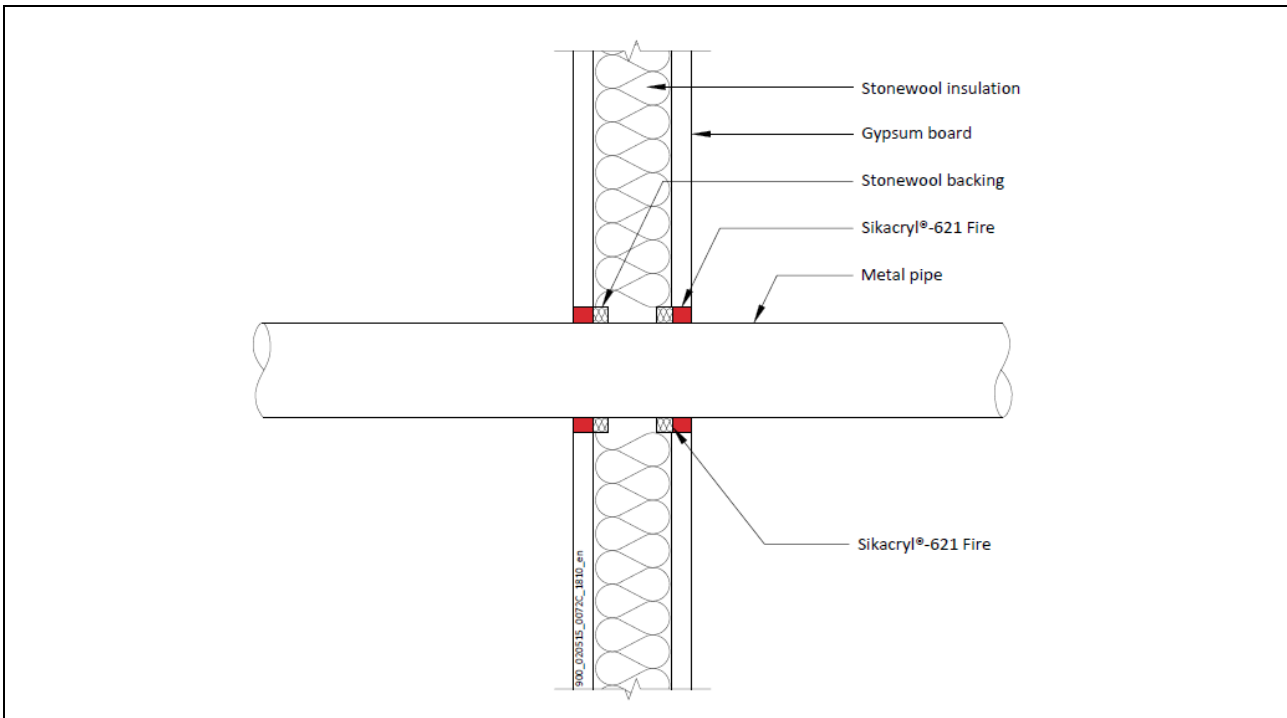
A1.4 Sikacryl®-621 Fire. Min 100 mm thick Flexible or Rigid Wall - Cables



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

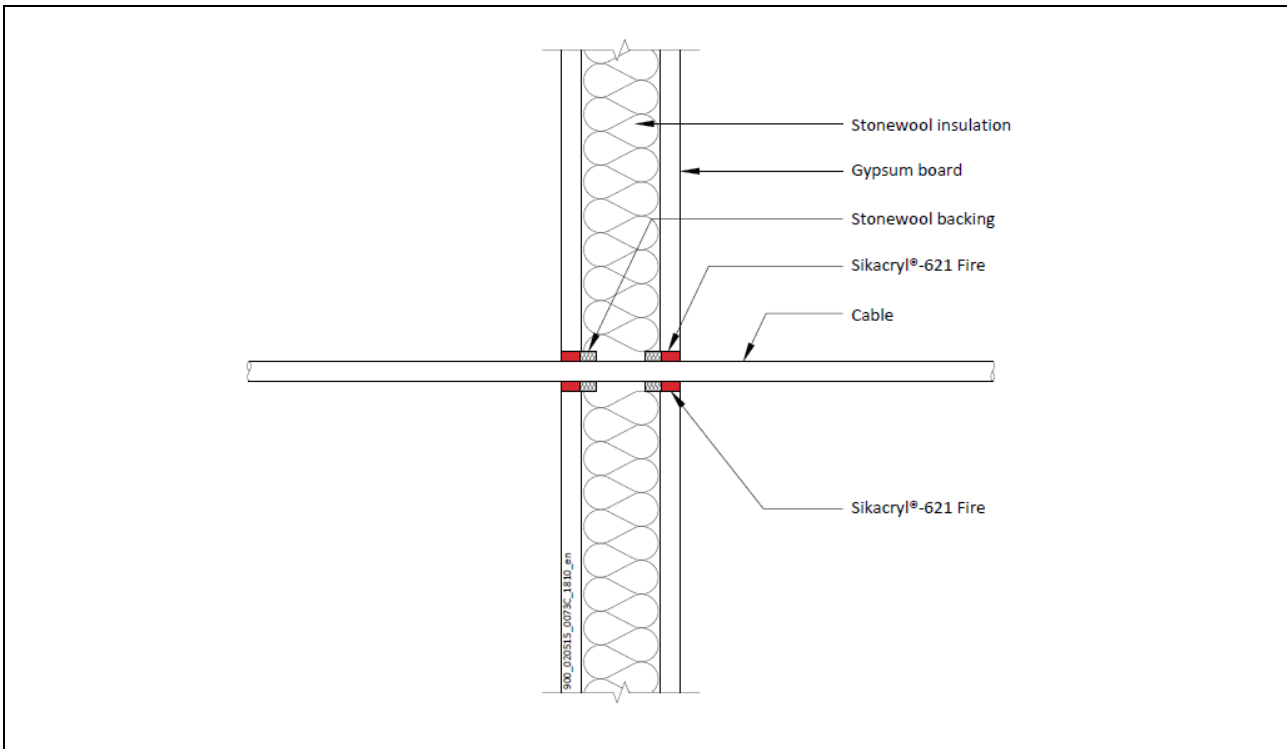


Penetration Specification	Sikacryl®-621 Fire (installed both faces)	Backing Material	Classification
Copper/Steel Pipe 15mm $\phi$ , 0.7mm – 7.5mm wall thickness	10mm annulus x 12mm deep	Stonewool 10mm deep 45kg/m <sup>3</sup>	E90 C/U E160 C/U
Copper/Steel Pipe 15-54mm $\phi$ , 1.2mm – 7.5mm wall thickness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

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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 <sup>3</sup>	<b>E90</b> <b>EI60</b>

[dop.sika.com](http://dop.sika.com)

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## CE MARKING TO BE PLACED ON THE LABEL

 19
Sika Services AG, Zurich, Switzerland
66205564
EAD 350454-00-1104:2017
1121, 2812
Fire stopping and fire sealing products, penetration seals
For details see accompanying documents
<a href="http://dop.sika.com">dop.sika.com</a>

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### HELSE, MILJØ OG SIKKERHETS INFORMASJON (REACH)

Brukere skal alltid forholde seg til sist oppdaterte versjon av produktdatablad og HMS-datablad for det aktuelle produktet. Kopier av gjeldende versjoner finnes på Sika Norges internettsider: [www.sika.no](http://www.sika.no).

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### PRODUKTANSVAR:

Denne informasjonen og i særdeleshet anbefalingene i forbindelse med anvendelse av Sika-produkter er gitt i god tro, basert på Sikas inneværende kunnskap og erfaring med produktene når de er riktig lagret, behandlet og anvendt under normale forhold. I praksis vil forskjellene i materialer, underlag og lokale forhold være av en slik karakter at verken denne informasjonen, andre skriftlige anbefalinger eller noen annen form for råd kan innebære noen garanti med hensyn til det bearbejdede produktets omsetnings-potensial eller egnethet for et bestemt formål, ei heller noen annen form for juridisk ansvar. Tredjeparts eiendomsrett må respekteres. Enhver ordre aksepteres i henhold til Sikas gjeldende salgs- og leverings-betingelser. Brukere skal alltid forholde seg til sist oppdaterte versjon av produktdatablad og HMS-datablad for det aktuelle produktet. Kopier av gjeldende versjoner finnes på Sika Norges internettsider.

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**Sika Norge AS**  
Sanitetsveien 1  
2013, Skjetten  
Norway  
[www.sika.no](http://www.sika.no)

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