



A SIKA BRAND

Casco[®] Fire Acrylic

YTELSESERKLÆRING

Nr. 81661176

1	PRODUKTYPENS ENTYDIGE IDENTIFIKASJONSKODE:	81661176
2	TILSIKTET BRUKSOMRÅDE:	ETA 19/0855 / EAD 350454-00-1104:2017 Fire stopping and fire sealing products, penetration seals
3	FABRIKANT:	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	OPPNEVNT REPRESENTANT:	
5	SYSTEM FOR VURDERING OG KONTROLL AV YTEEVNE:	System 1
6b	EUROPEISK BEDØMMELSESDOKUMENT:	EAD 350454-00-1104, Edition 2017 Fire Stopping and Fire Sealing Products, Penetration Seals
	Europeisk Teknisk Bedømmelse:	ETA 19/0855 of 2019/12/20
	Teknisk bedømmelsesorgan:	Warrington Fire Testing and Certification Limited
	Teknisk kontrollorgan (hEN) / vurderingsorgan (ETA):	1121, 2812

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
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

Ytelseserklæring

81661176
2020.03 , ver. 01

FOR NÆRMERE INFORMASJON:

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3.3 Air permeability

System Casco Fire Acrylic has been tested in accordance with BS EN 1314-1 to provide the following results:

Product tested			Casco Fire Acrylic	
Pressure (Pa)	Results under positive chamber pressure		Results under negative chamber pressure	
	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

Ytelseserklæring

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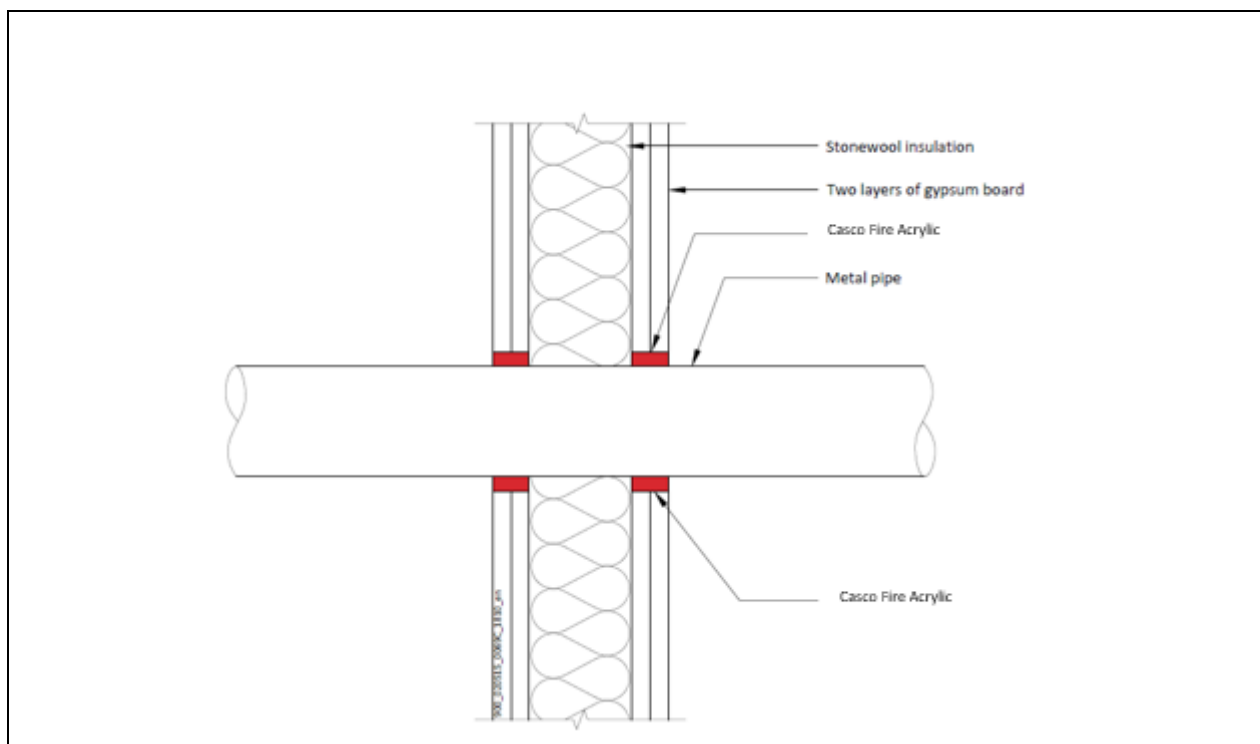
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Annex A Resistance to Fire Classification of Casco Fire Acrylic

A1.1 Casco Fire Acrylic. Min 120 mm thick Flexible or Rigid Wall – Pipes



Penetration Specification	Casco Fire Acrylic (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

Ytelseserklæring

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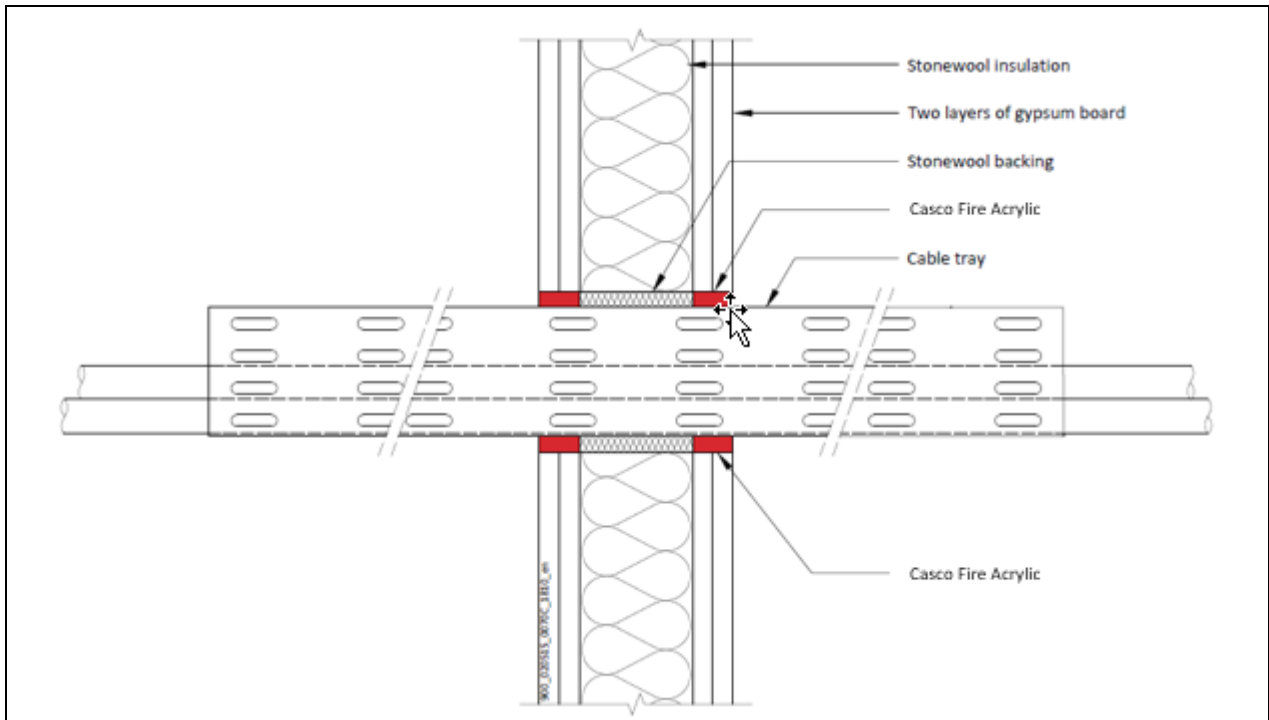
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A1.2 Casco Fire Acrylic. Min 120 mm thick Flexible or Rigid Wall - Cables



Penetration Specification	Casco Fire Acrylic (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

Ytelseserklæring

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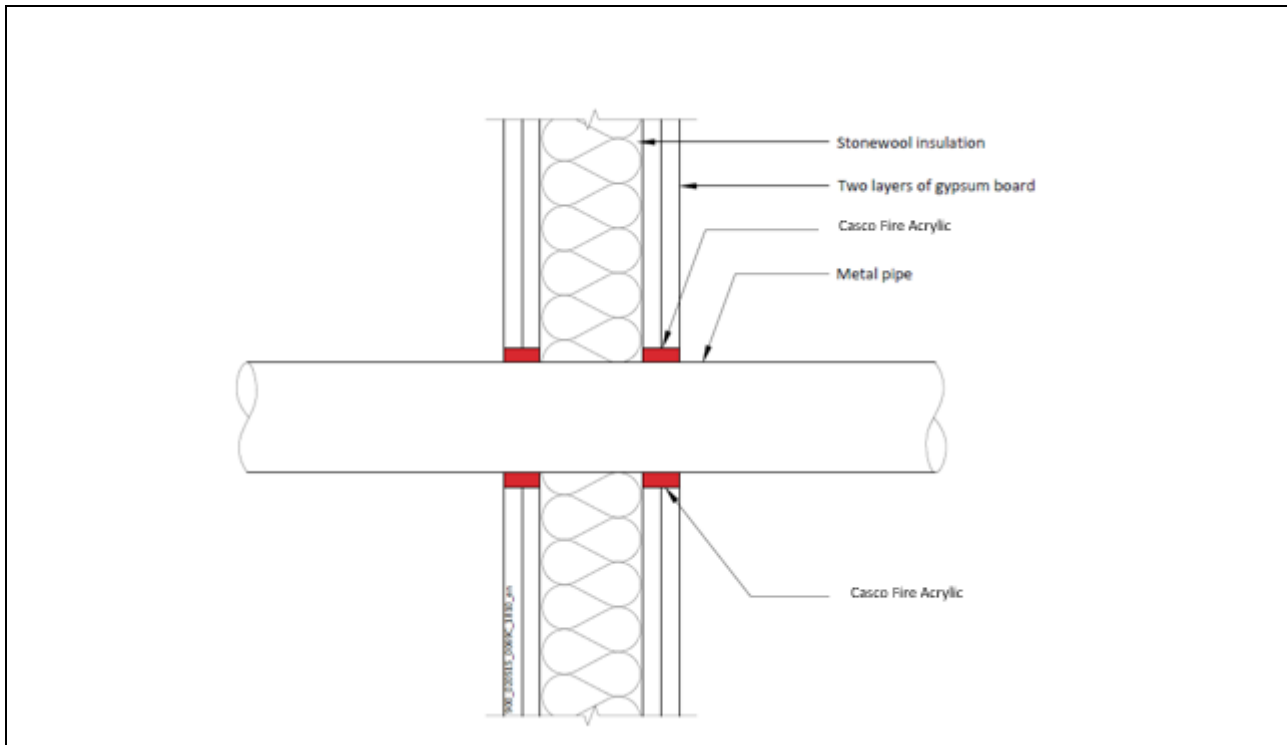
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A1.3 Casco Fire Acrylic. Min 100 mm thick Flexible or Rigid Wall – Pipes



Penetration Specification	Casco Fire Acrylic (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*			E120 C/U

Ytelseserklæring

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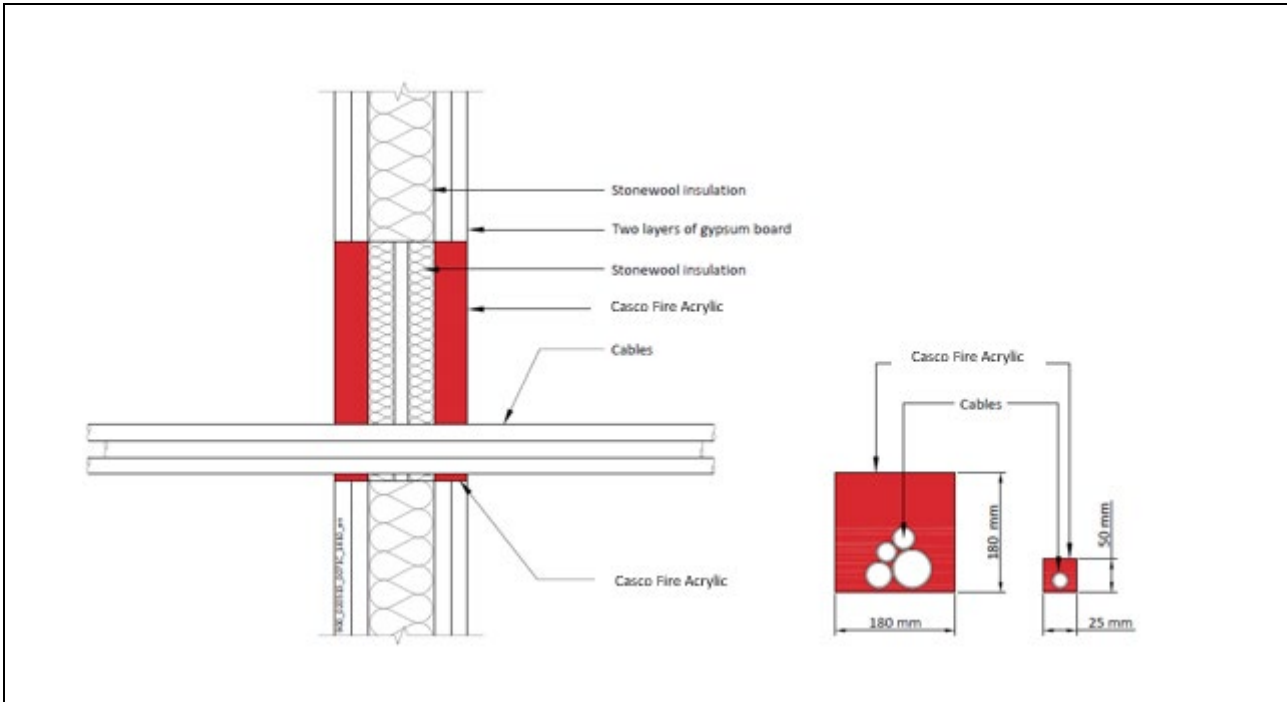
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A1.4 Casco Fire Acrylic. Min 100 mm thick Flexible or Rigid Wall - Cables



Penetration Specification	Casco Fire Acrylic (installed both faces)	Backing Material	Classification
Electrical Cables up to 80mm ϕ	180mm x 180mm Max 50mm x 50mm Min 50mm deep	Stonewool 20mm thick, 45Kg/m ³	E90 EI60

Ytelseserklæring

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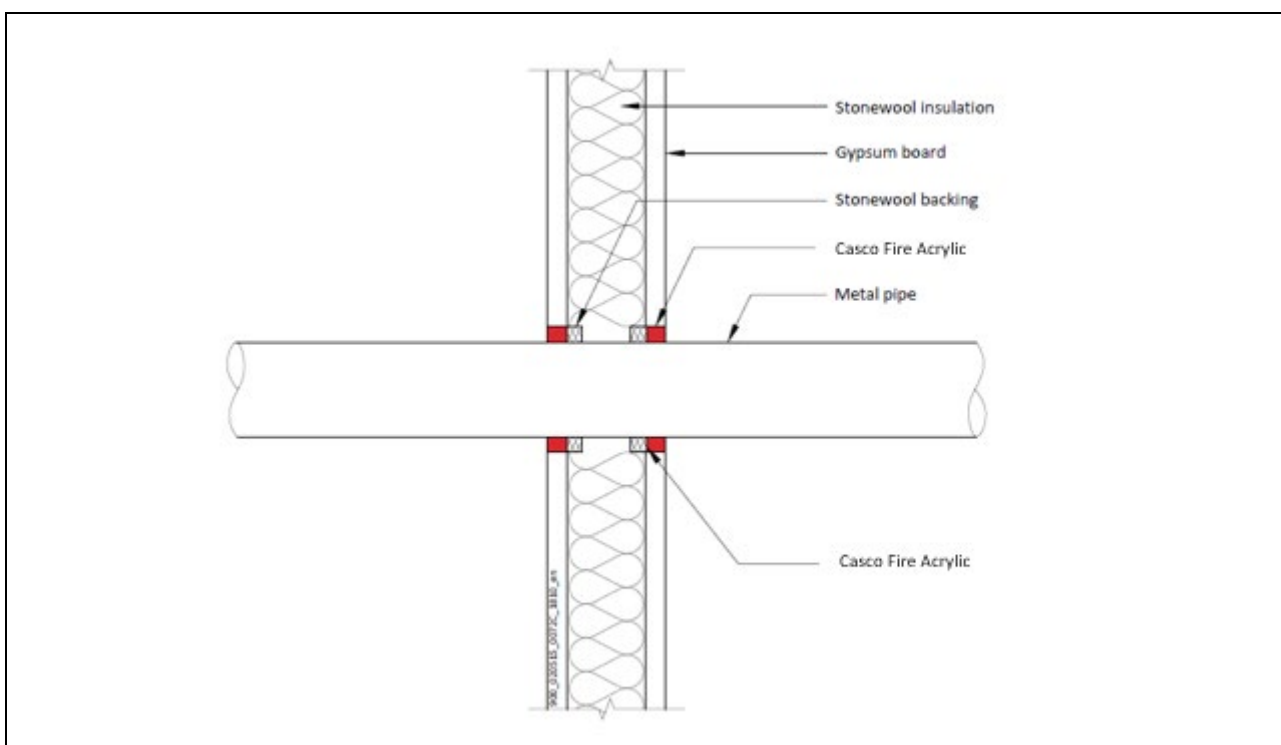
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A1.5 Casco Fire Acrylic. Min 75 mm thick Flexible or Rigid Wall - Pipes



Penetration Specification	Casco Fire Acrylic (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

Ytelseserklæring

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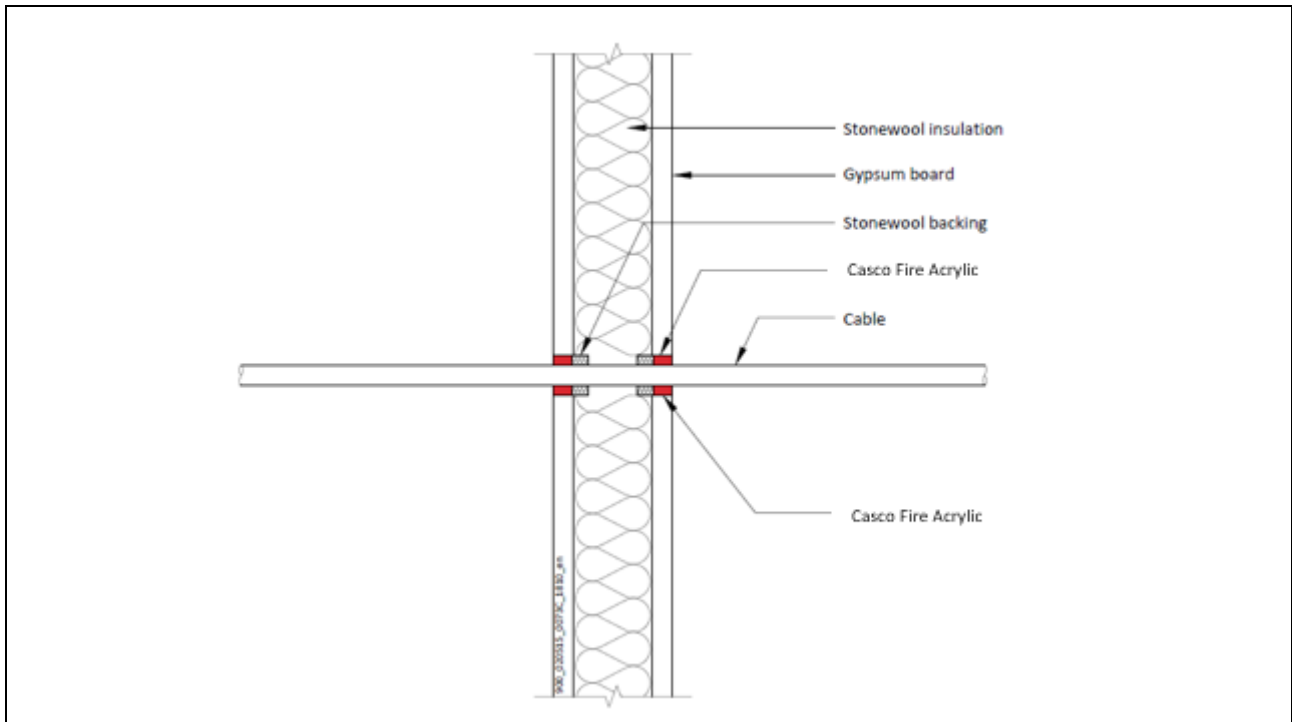
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A1.6 Casco Fire Acrylic. Min 75 mm thick Flexible or Rigid Wall – Cables



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

Ytelseserklæring

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8 RELEVANT TEKNISK DOKUMENTASJON OG/ELLER SPESIFIKK TEKNISK DOKUMENTASJON

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:

Navn: Sebastien Godard
Funksjon: General Manager
Spånga, 07 Mai 2020

Navn : Marie Rönn
Funksjon: Product Manager
Spånga, 07 Mai 2020

Ovenstående informasjon i samsvar med krav i EU-forordning nr. 305/2011

RELATERT YTELSESERKLÆRING

Produktnavn	Harmonisert Teknisk Spesifikasjon	DoP nummer
Casco® Fire Acrylic	EN 15651-1:2012	87591153
Casco® Fire Acrylic	EAD 350141-00-1106:2017	17357322

Ytelseserklæring

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Sika Services AG, Zurich, Switzerland
81661176
EAD 350454-00-1104:2017
1121, 2812
Fire stopping and fire sealing products, penetration seals

Ytelseserklæring

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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
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

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3.3 Air permeability

System Casco Fire Acrylic has been tested in accordance with BS EN 1314-1 to provide the following results:

Product tested			Casco Fire Acrylic	
Pressure (Pa)	Results under positive chamber pressure		Results under negative chamber pressure	
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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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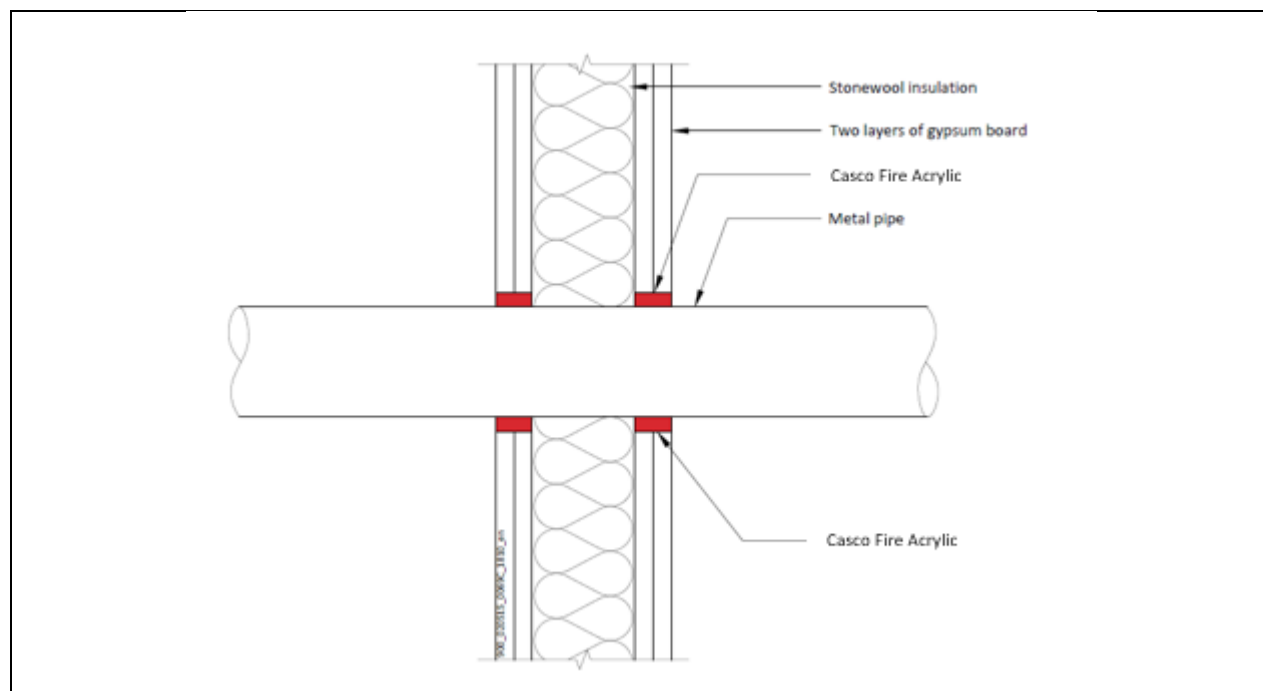
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Annex A Resistance to Fire Classification of Casco Fire Acrylic

A1.1 Casco Fire Acrylic. Min 120 mm thick Flexible or Rigid Wall – Pipes



Penetration Specification	Casco Fire Acrylic (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

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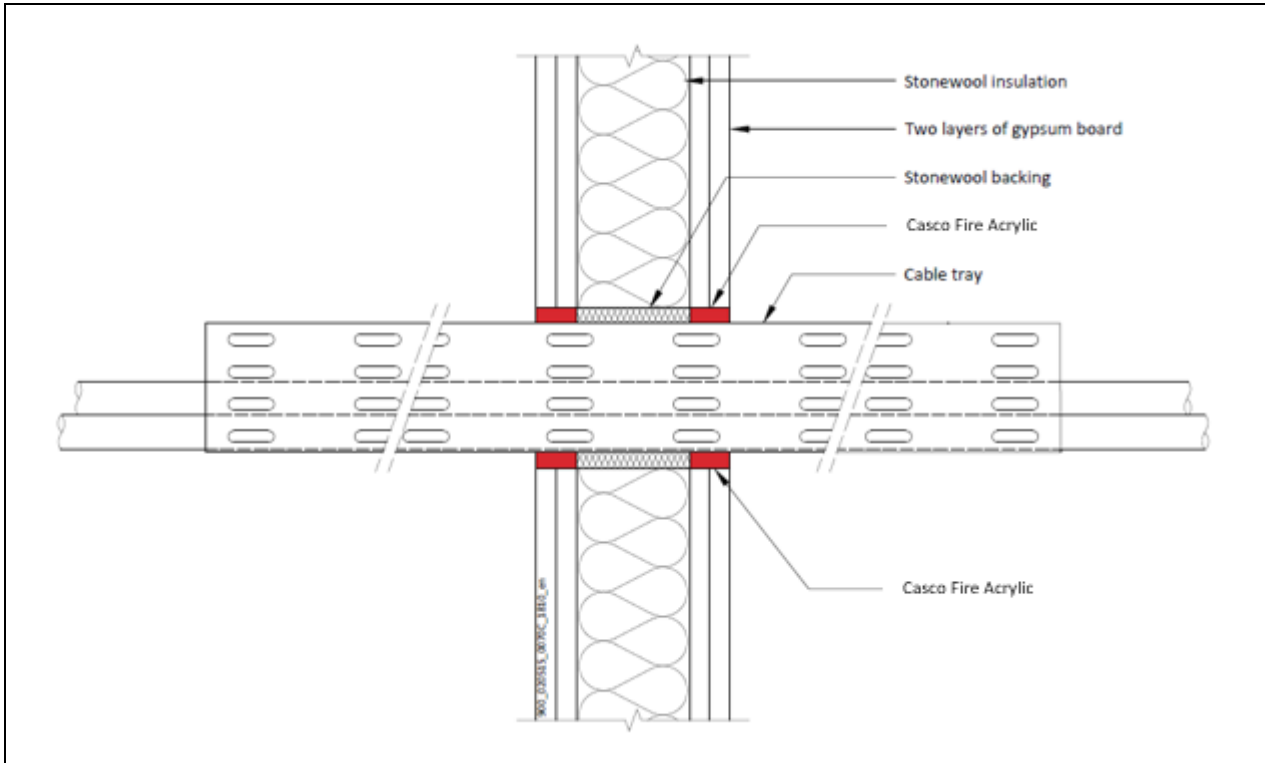
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A1.2 Casco Fire Acrylic. Min 120 mm thick Flexible or Rigid Wall - Cables



Penetration Specification	Casco Fire Acrylic (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

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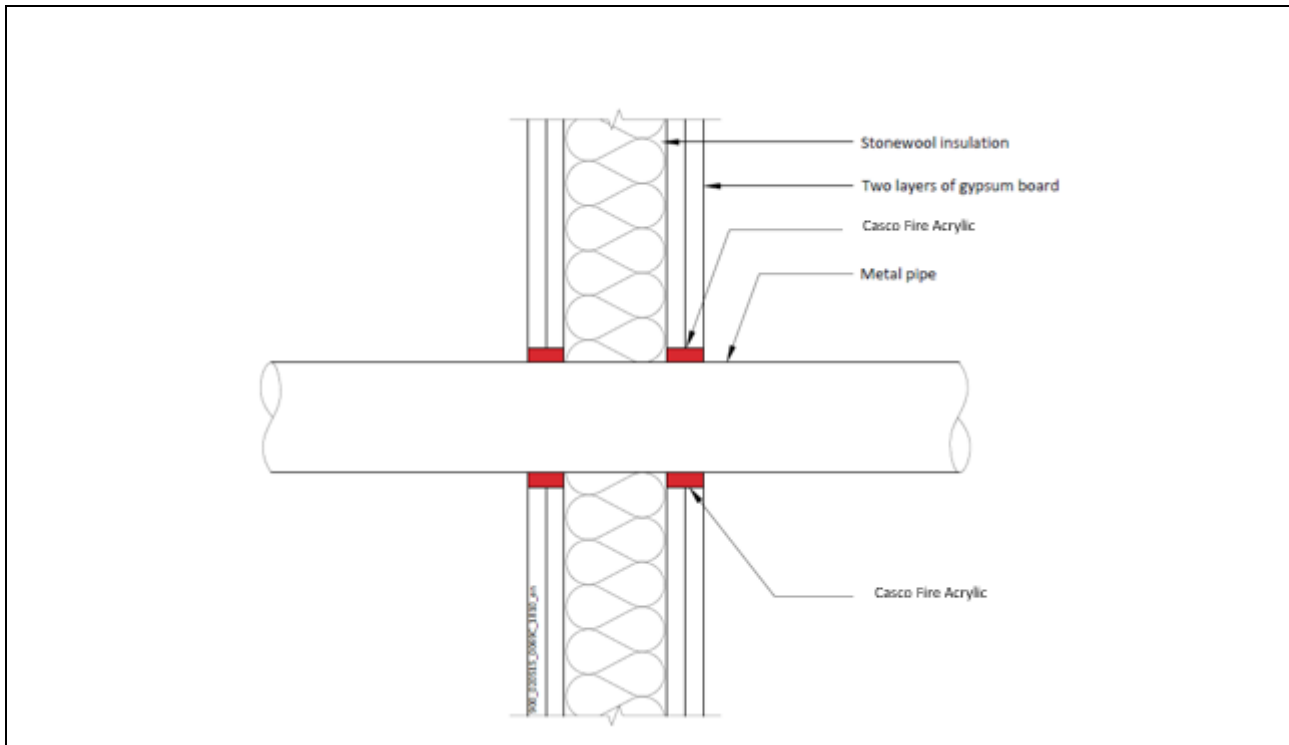
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A1.3 Casco Fire Acrylic. Min 100 mm thick Flexible or Rigid Wall – Pipes



Penetration Specification	Casco Fire Acrylic (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*			E120 C/U

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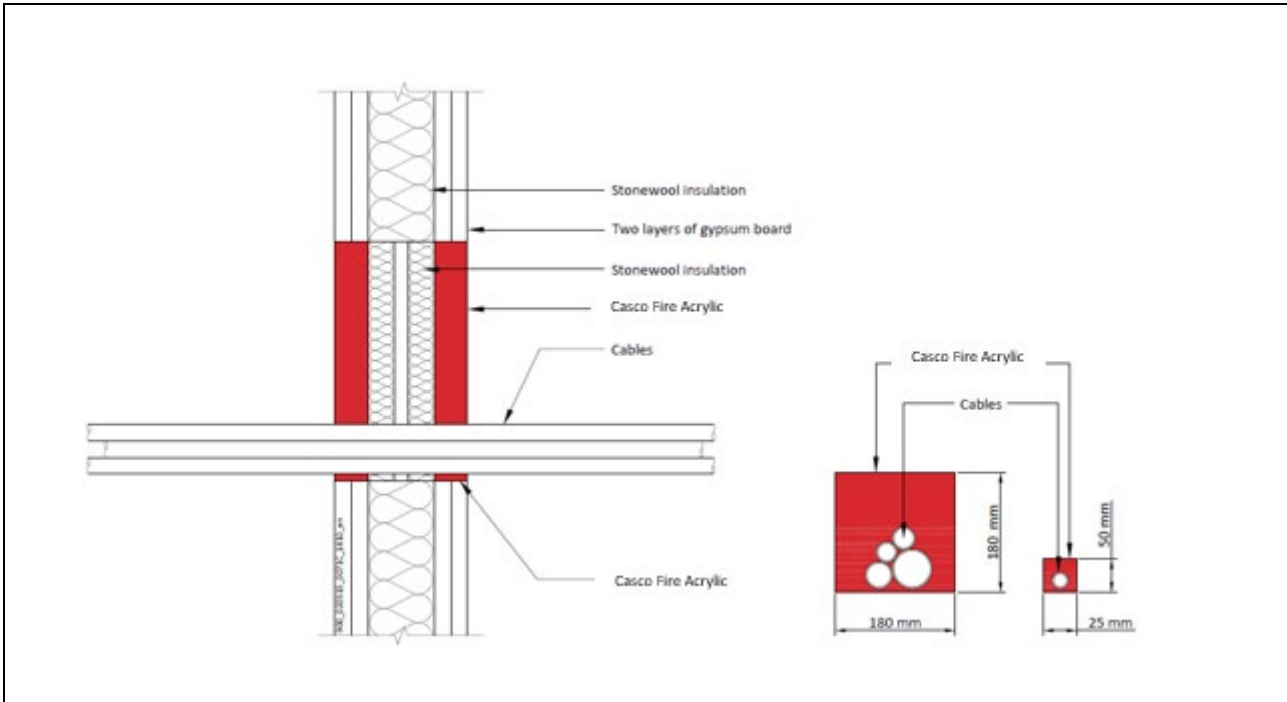
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A1.4 Casco Fire Acrylic. Min 100 mm thick Flexible or Rigid Wall - Cables



Penetration Specification	Casco Fire Acrylic (installed both faces)	Backing Material	Classification
Electrical Cables up to 80mm ϕ	180mm x 180mm Max 50mm x 50mm Min 50mm deep	Stonewool 20mm thick, 45Kg/m ³	E90 EI60

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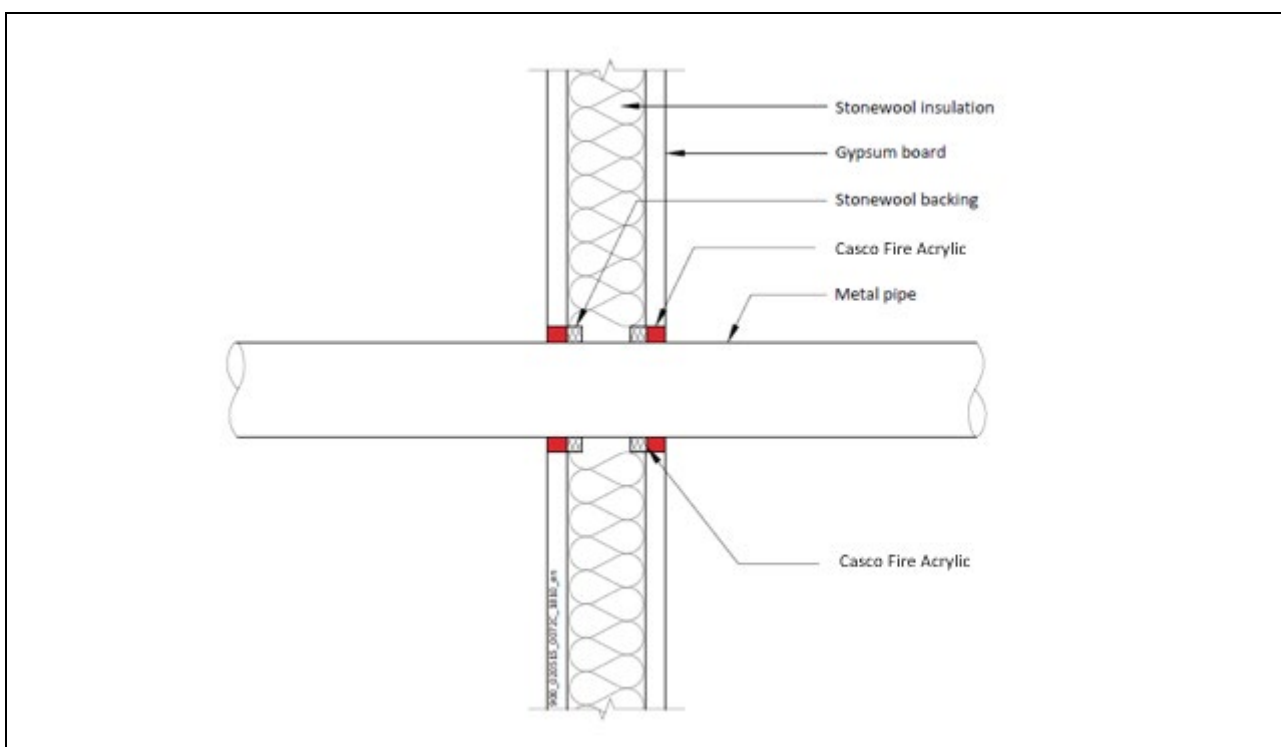
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A1.5 Casco Fire Acrylic. Min 75 mm thick Flexible or Rigid Wall - Pipes



Penetration Specification	Casco Fire Acrylic (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

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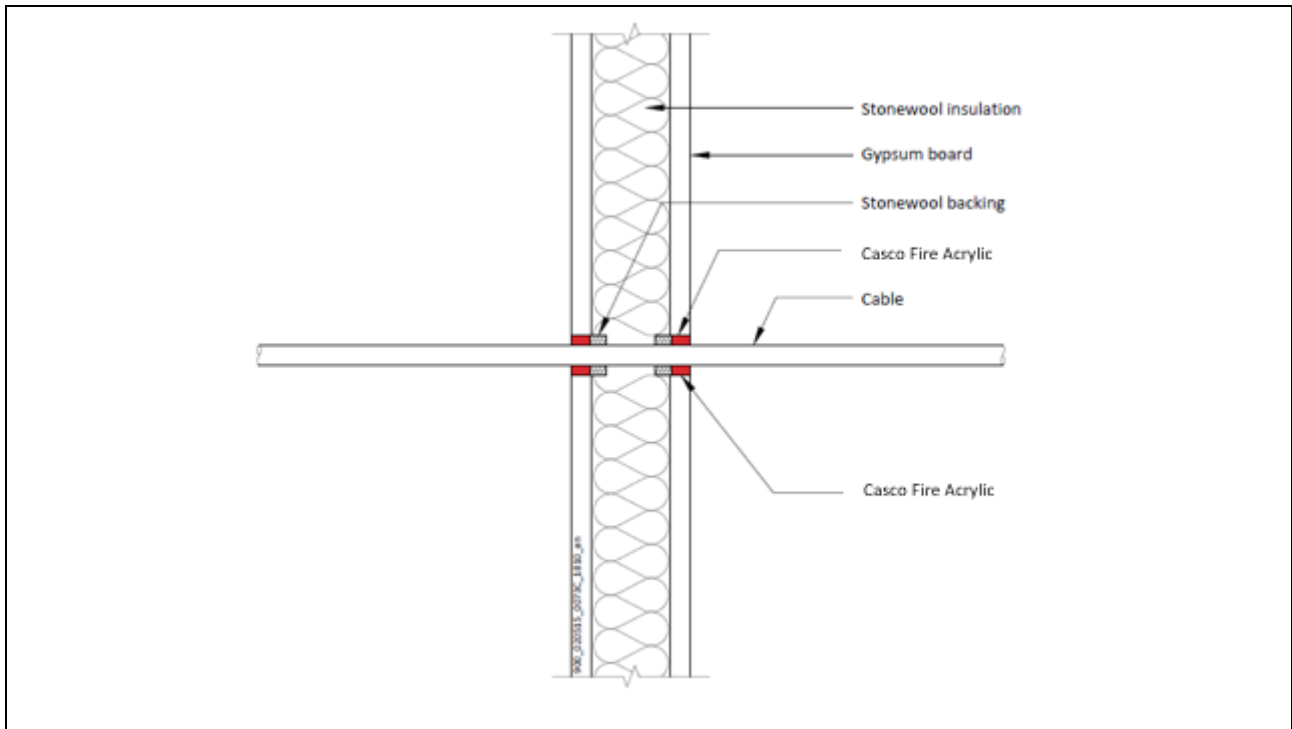
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A1.6 Casco Fire Acrylic. Min 75 mm thick Flexible or Rigid Wall – Cables



Penetration Specification	Casco Fire Acrylic (installed both faces)	Backing Material	Classification
1 x 'B' Cable	25mm \varnothing aperture	Stonewool 50mm thick, 45Kg/m ³	E90 EI60

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Sika Services AG, Zurich, Switzerland
81661176
EAD 350454-00-1104:2017
1121, 2812
Fire stopping and fire sealing products, penetration seals
For details see accompanying documents
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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.

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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