BUILDING TRUST

SikaSeal®-626 Fire Board

DECLARATION OF PERFORMANCE
No. 55479509

1	**UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:**	55479509
2	**INTENDED USE/S**	ETA 18/1048/ 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, Edition 2017 Fire Stopping and Fire Sealing Products, Penetration Seals
	European Technical Assessment:	ETA 18/1048 of 23/011/2019
	Technical Assessment Body:	Warrington Fire Testing and Certification Limited
	Notified body/ies:	1121, 2812

7 DECLARED PERFORMANCE/S

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

Product Type: Board		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	Rw (C;Ctr)= 24(-2;-3)
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

3.3 Air permeability

System SikaSeal® - 626 Fire Board has been tested in accordance with BS EN 1314-1 to provide the following results:

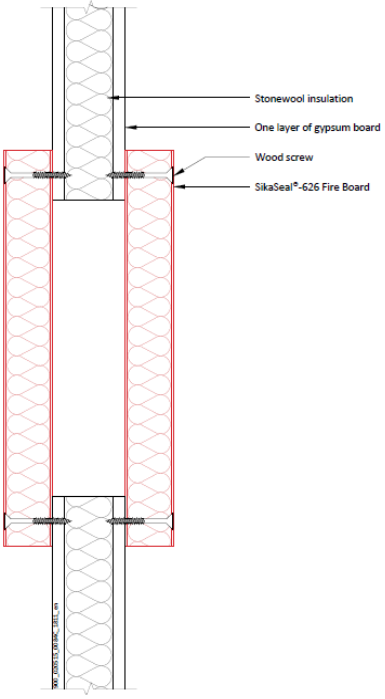
Product tested			SikaSeal® - 626 Fire Board	
	Results under positive chamber pressure		Results under negative chamber pressure	
Pressure (Pa)	Leakage (m^3/h)	Leakage ($m^3/m^3/h$)	Leakage (m^3/h)	Leakage ($m^3/m^3/h$)
50	0,6	0,8	1,1	1,5
100	1,0	1,4	1,3	1,8
150	2,8	3,9	1,5	2,1
200	3,8	5,3	1,9	2,6
250	4,5	6,3	2,0	2,8
300	5,0	6,9	2,4	3,3
450	5,1	7,1	1,9	2,6
600	6,7	9,3	2,2	3,1

Annex A
Resistance to Fire Classification of SikaSeal® - 626 Fire Board

A1 SikaSeal® - 626 Fire Board Penetration Seal in Flexible or Rigid Walls min. 70 mm thick
A1.1 Single Layer (50mm both sides) SikaSeal® - 626 Fire Board Patress Install Penetration Seal
A1.1.1 Cables and Conduits Penetrations

Construction details:

- Single layer of SikaSeal® - 626 Fire Board patress installed both sides of the wall.
- Max. Aperture size 570mm wide x 200mm high
- Patress installation of SikaSeal® - 626 Fire Board.
  - The SikaSeal® - 626 Fire Board are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 50mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- First service support 1025mm from both faces of the substrate



Service(s)	Classification
500mm wide x 60mm deep steel cable basket containing 3 x type 'B' cable and 20 x bundle of telecoms cables	EI90
500mm wide x 60mm deep steel cable tray containing 1 x type 'B' cable, 3 x type 'A1' cable, 3 x type 'A2' cable, and 3 x type 'A3' cable	

Service(s)	Classification
20mm dia Adaptaflex SPL20 flexible conduit	EI90
20mm dia Kopex KSU 316 stainless steel flexible conduit	
150mm wide x 60mm deep steel cable tray containing 4 x FP200 Gold (Firealarm cable 7mm dia red) Cables	

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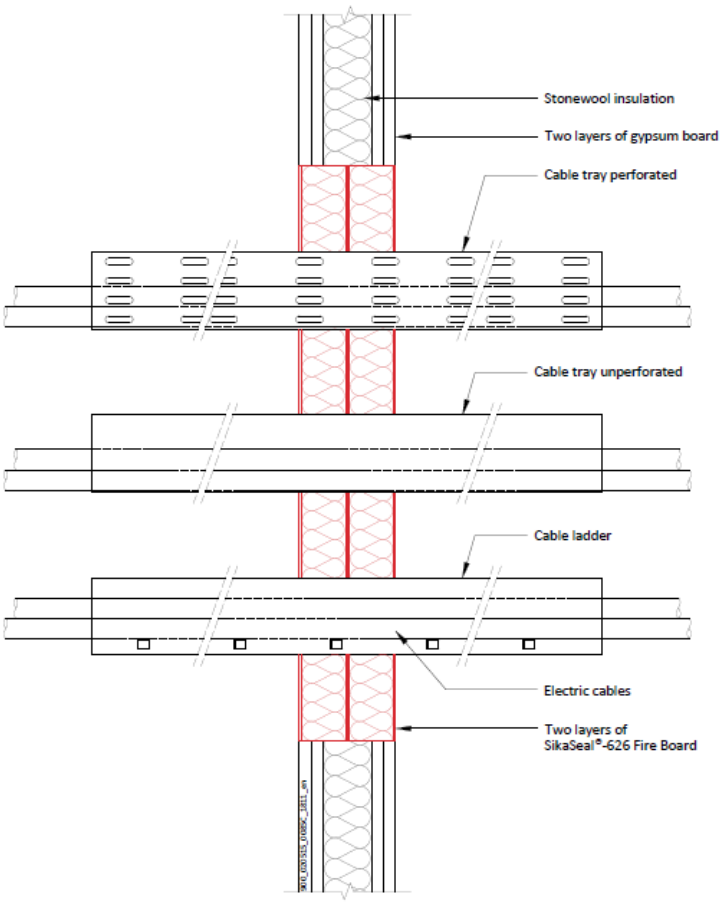
A2 SikaSeal® - 626 Fire Board Penetration Seal in Flexible or Rigid Walls min. 100 mm thick
A2.1 Double Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal
A2.1.1 Cable Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- First service support 250mm from both faces of the substrate

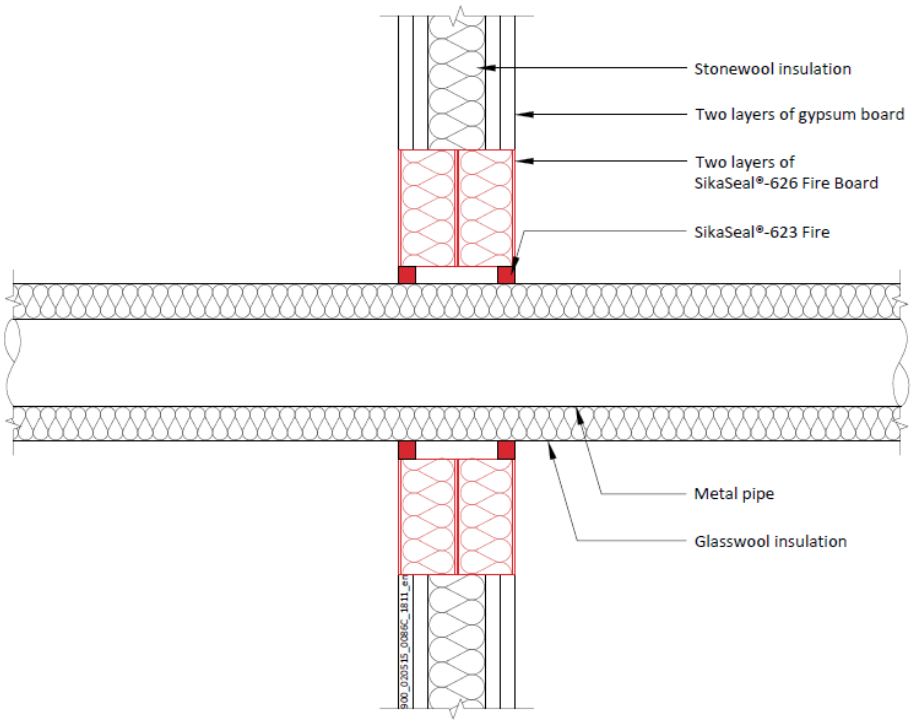


Service(s)	Classification
Electrical cables up to 21mm dia	**EI 60**
Electrical cables 22mm to 80mm dia	**E 60** **EI 45**
Cable Trays and Ladders	**EI 60**
100 mm diameter bundle telecommunication cable type “F”	**EI 60**
Unsheathed electrical cables up to 17mm dia	**E 60** **EI 30**
Unsheathed electrical cables 18-24mm dia	**E 60** **EI 15**
Steel or Copper Conduits up to 16mm	**E 60** **EI 15**
Plastic conduits up to 16mm	**EI 60**

A2.1.2 Metalic Pipe Penetrations

Construction details:

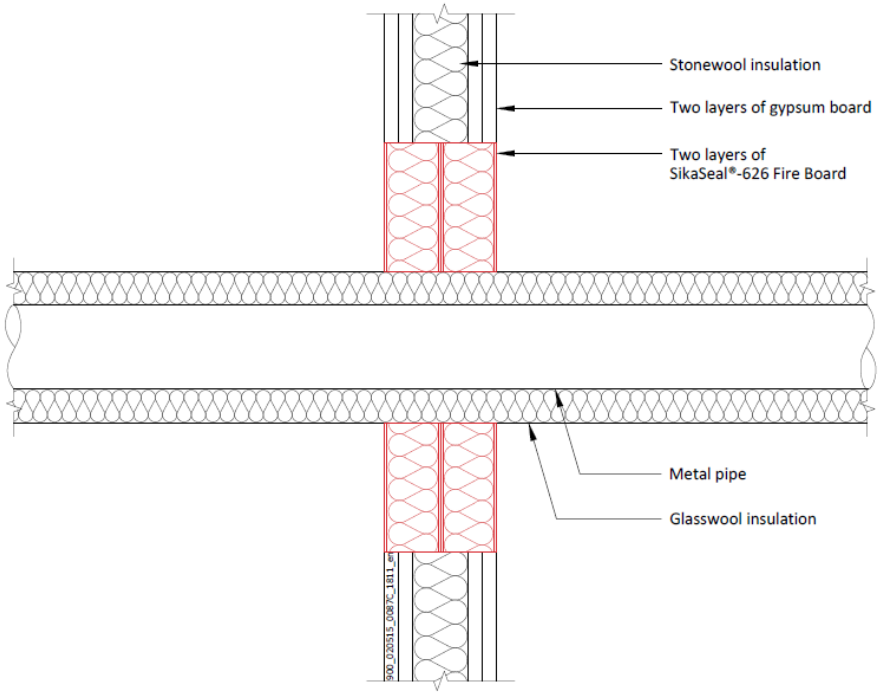
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- 15mm deep x 15mm wide anulus SikaSeal® - 623 Fire Sealant to both faces
- First service support 250mm from both faces of the substrate



Service(s)	Classification
Single copper or mild steel pipe 40mm diameter and 1.5 – 14.2 mm wall with sustained/continuous 20mm thick foil faced glass wool insulation (min 80Kg/m^3)	**E 90 U/C** **EI 60 U/C**
Single copper or mild steel pipe 40-159mm diameter and 2.3 – 14.2 mm wall with sustained/continuous 30mm thick foil faced glass wool insulation (min 80Kg/m^3)	**EI 60 U/C**

Construction details:

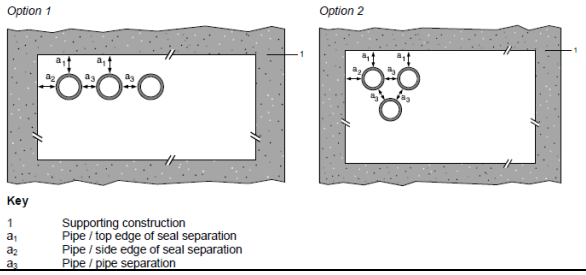
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 600mm wide x 600mm high
- Continuous / Sustained CS insulated metallic pipes
- First service support 400mm from both faces of the substrate

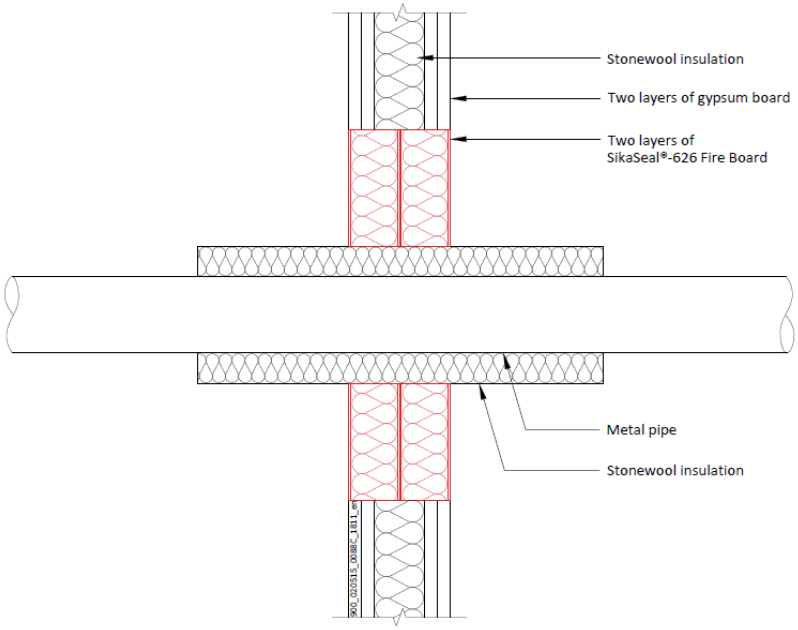


Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 45 C/U**
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 60 C/U**

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate

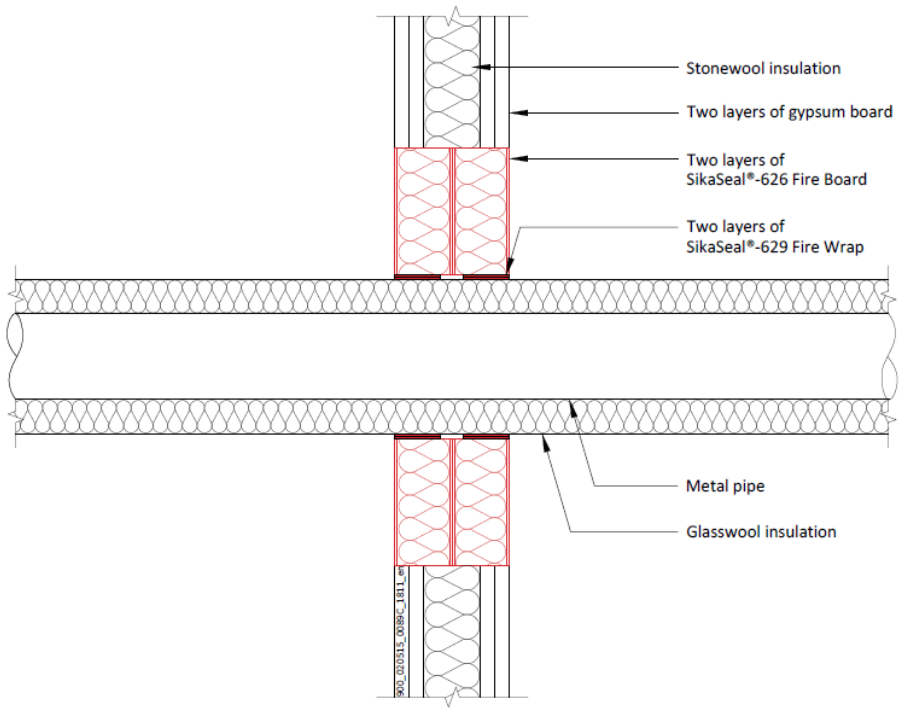




Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness 40mm thick stonewool insulation min. 40kg/m³ (L/I 400mm)	**EI 45 C/U**
Steel 42-324mm Ø, 16mm wall thickness. 40mm thick stonewool insulation min. 40kg/m³ (L/I 400mm)	**EI 45 C/U**
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness PST coating along the penetration 2mm DFT (L/I 400mm)	**E 120 C/U** **EI 45 C/U**
Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness PST coating along the penetration 2mm DFT (L/I 400mm)	**E 120 C/U** **EI 45 C/U**

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- 2 x 2mm thick layers of SikaSeal® - 629 Fire Wrap installed both sides of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



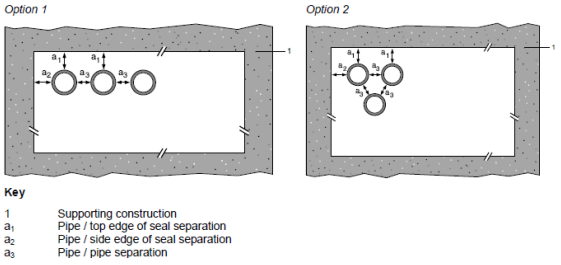
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST Insulation (C/S)	**E 120 C/U** **EI 60 C/U**
Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[1]Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**E 120 C/U** **EI 60 C/U**
Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[1]Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 50mm thick glassfibre insulation (C/S)	**E 120 C/U** **EI 90 C/U**

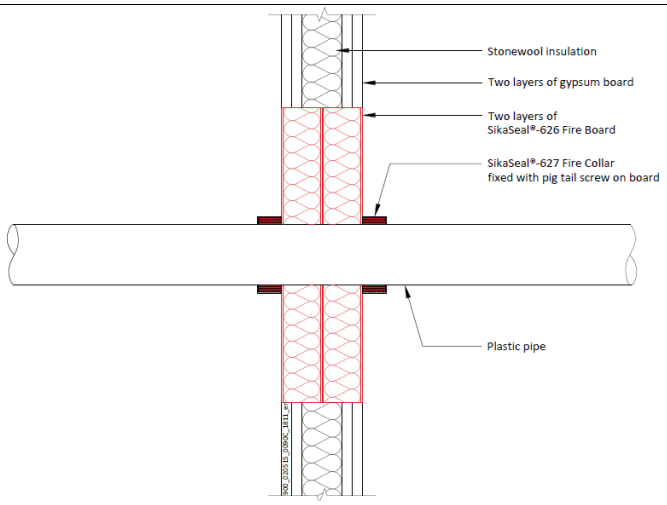
A2.1.3 Plastic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 627 Fire Collar secured both faces of the substrate utilising 80mm long steel pig tail screw through to SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal

- First service support 400mm from both faces of the substrate





Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	EI 120 U/C
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	
PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness	160mm	

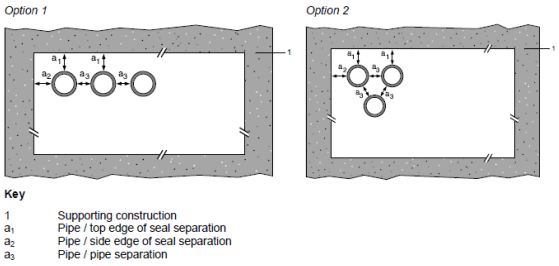
Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	

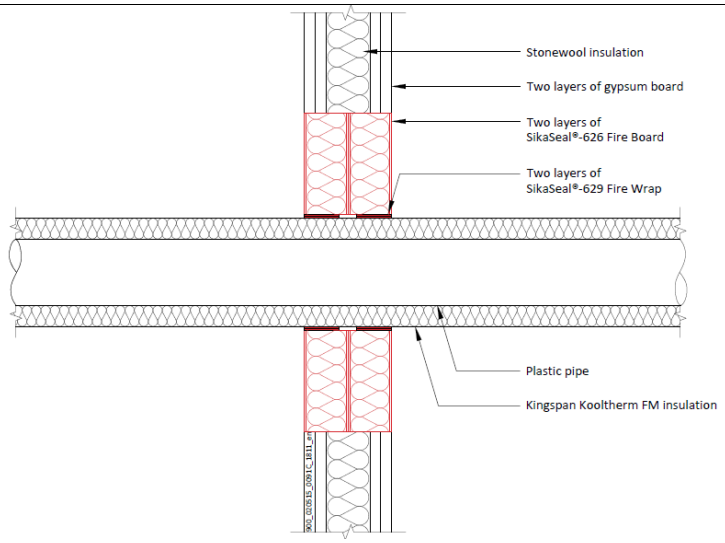
Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	

A2.1.4 Insulated Plastic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 629 Fire Wrap secured internally within both faces of the SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate





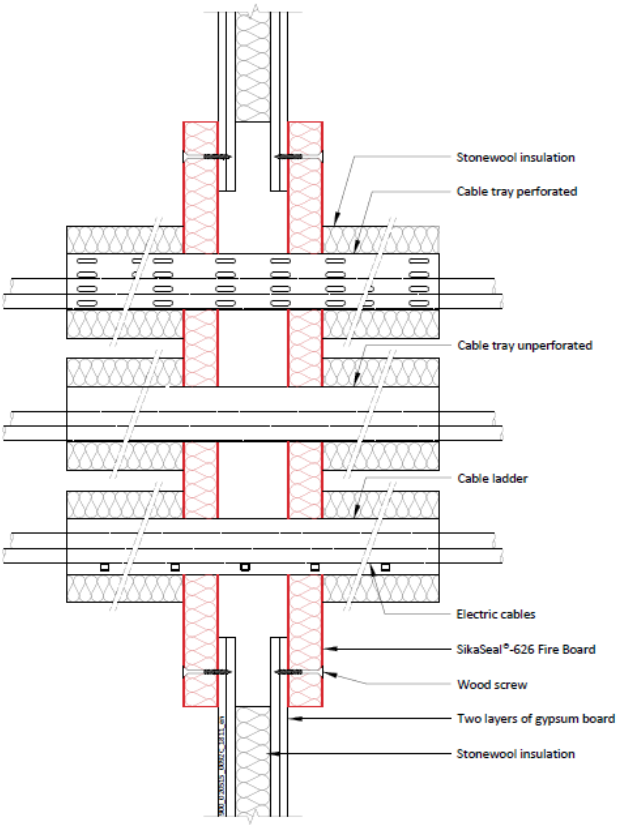
Service(s)	SikaSeal® - 629 Fire Wrap Ref	Classification
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm thick Kingspan Kooltherm FM insulation (C/S)	3 x 2mm thickness	**E 120 U/C EI 90 U/C**
PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick Kingspan Kooltherm FM insulation (C/S)	3 x 2mm thickness	
PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm thick Kingspan Kooltherm FM insulation (C/S)	5 x 2mm thickness	**EI 120 U/C**
PVC Pipe 110mm Ø, 6.6mm wall thickness. 20 mm thick Kingspan Kooltherm FM insulation (C/S)	5 x 2mm thickness	**E 120 U/C EI 90 U/C**
PVC Pipe 40mm Ø, 1.9mm wall thickness. 32 mm thick Armacell Armaflex Class O (C/S)	3 x 2mm thickness	**E 120 U/C EI 90 U/C**
PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick Armacell Armaflex Class O (C/S)	3 x 2mm thickness	
PVC Pipe 110mm Ø, 4.2mm wall thickness. 32 mm thick Armacell Armaflex Class O (C/S)	5 x 2mm thickness	**EI 120 U/C**
PVC Pipe 110mm Ø, 6.6mm wall thickness. 13 mm thick Armacell Armaflex Class O (C/S)	5 x 2mm thickness	**E 120 U/C EI 90 U/C**

A2.2 Single Layer (50mm) SikaSeal® - 626 Fire Board Patress Installed Both Faces Penetration Seal

A2.2.1 Cable Penetrations

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 750mm wide x 1200mm high
- Cables and cable trays wrapped with a single layer of 40mm thick, 40kg/m3 Stonewool (L/I 300mm)
- First service support 400mm from both faces of the substrate

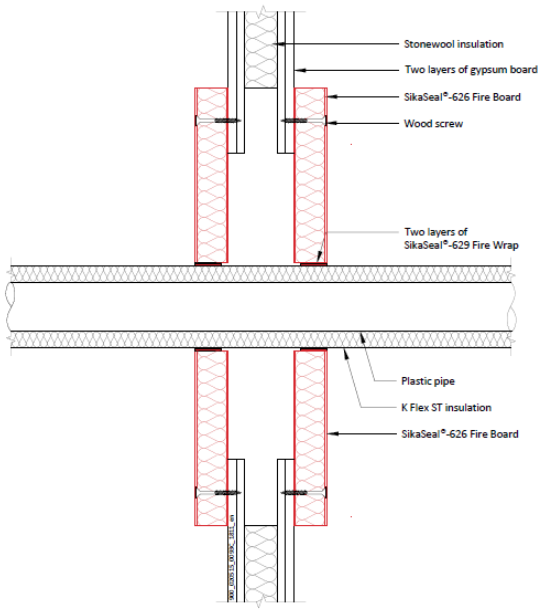


Service(s)	Classification
Electrical cables upto 80mm Ø	EI120
Cable Trays and Ladders	
100 mm diameter bundle telecommunication cable type “F”	
Unsheathed electrical cables up to 24mm Ø	
Steel or Copper Conduits up to 16mm Ø	
Plastic conduits up to 16mm Ø	

A2.2.2 Metalic Pipe Penetrations

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 750mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- 2 x 2mm thick layers of SikaSeal® - 629 Fire Wrap installed both sides of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



Service(s)	Classification
[2]Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST Insulation (C/S)	**E 120 C/U** **EI 60 C/U**
[2]Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[2]Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST insulation (C/S)	**EI 120 C/U**
[2]Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[2]Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**EI 120 C/U**
[2]Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 50mm thick glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 90 C/U**

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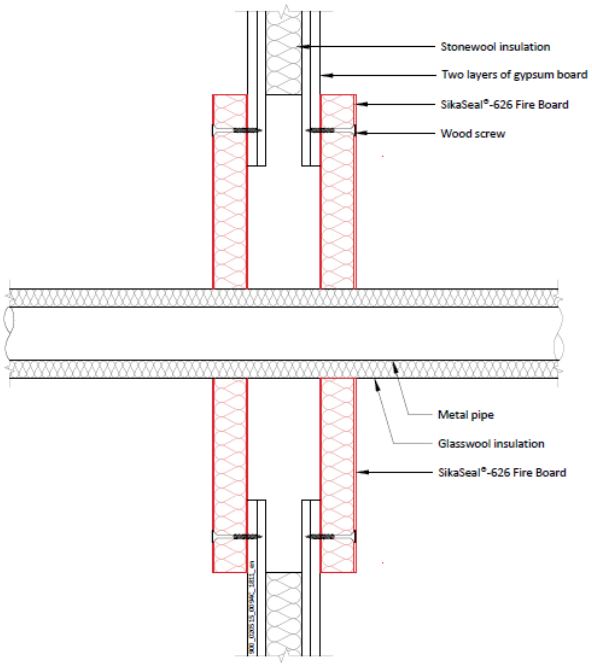
Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 600mm wide x 600mm high
- Continuous / Sustained CS insulated metallic pipes
- First service support 400mm from both faces of the substrate

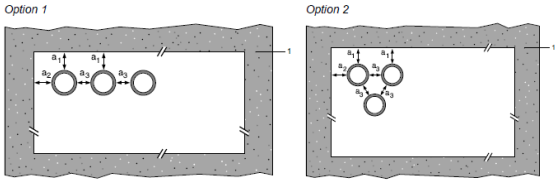


Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 90 C/U**
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**EI 120 C/U**

A2.2.3 Plastic Pipe Penetrations

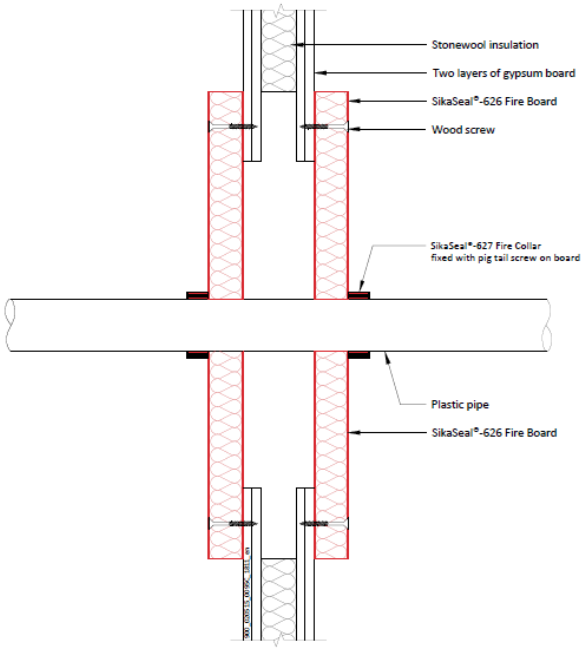
Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 627 Fire Collar secured both faces of the substrate utilising 80mm long steel pig tail screw through to SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate



Key

1	Supporting construction
a_1	Pipe / top edge of seal separation
a_2	Pipe / side edge of seal separation
a_3	Pipe / pipe separation



Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	EI 120 U/C
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	
PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness	160mm	

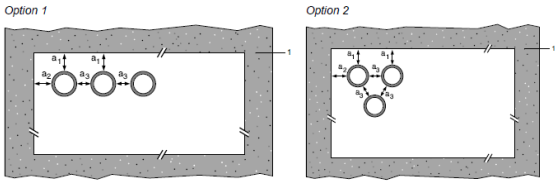
Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	

Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	

Construction details:

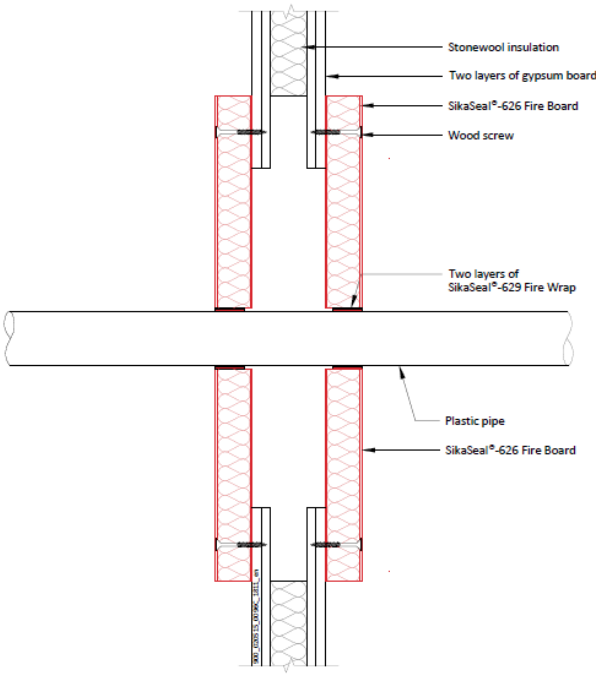
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
    - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 628 Fire Wrap secured internally within both faces of the SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate

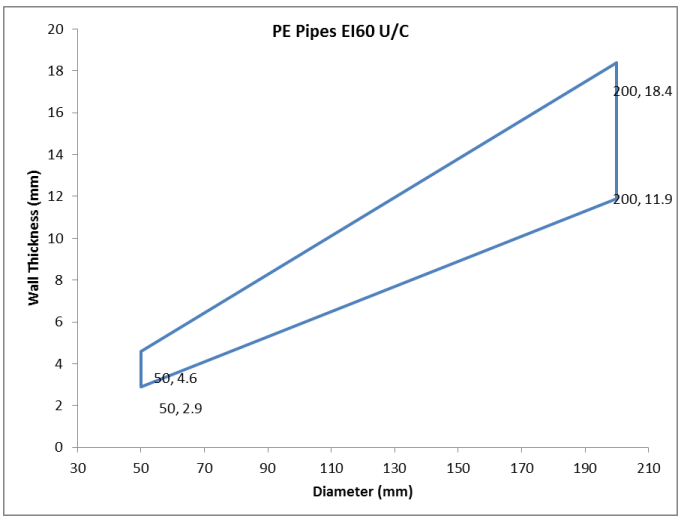
Intumescent Thickness	
Pipe Diameter	**Intumescent Material**
ø 32 mm - ø 50 mm	40 mm (W) x 2 mm (T)
ø 51 mm - ø 82 mm	40 mm (W) x 4 mm (T)
ø 83 mm - ø 115 mm	40 mm (W) x 6 mm (T)
ø 116 mm - ø 160 mm	40 mm (W) x 8 mm (T)
ø 161 mm - ø 200 mm	40 mm (W) x 10 mm (T)
ø 201 mm - ø 250 mm	40 mm (W) x 12 mm (T)

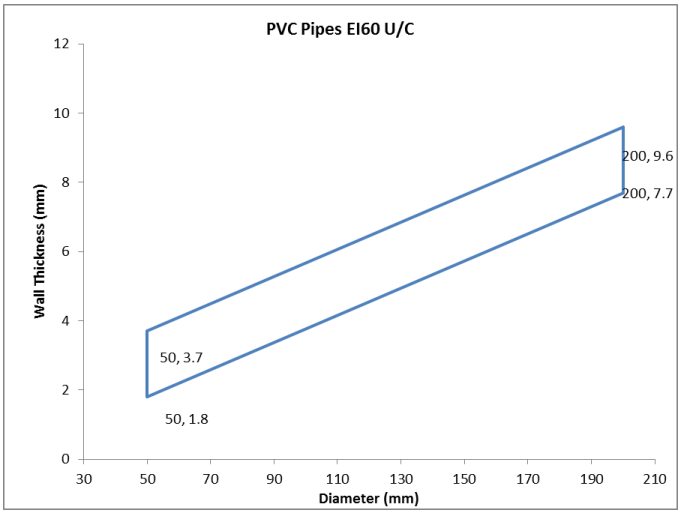


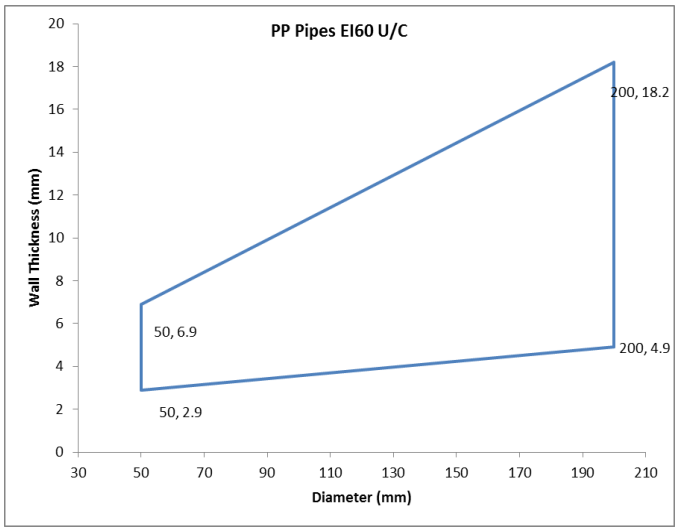
Key

1 Supporting construction
a_1 Pipe / top edge of seal separation
a_2 Pipe / side edge of seal separation
a_3 Pipe / pipe separation




PE Pipes EI60 U/C
Wall Thickness (mm)
Diameter (mm)
200, 18.4
200, 11.9
50, 4.6
50, 2.9

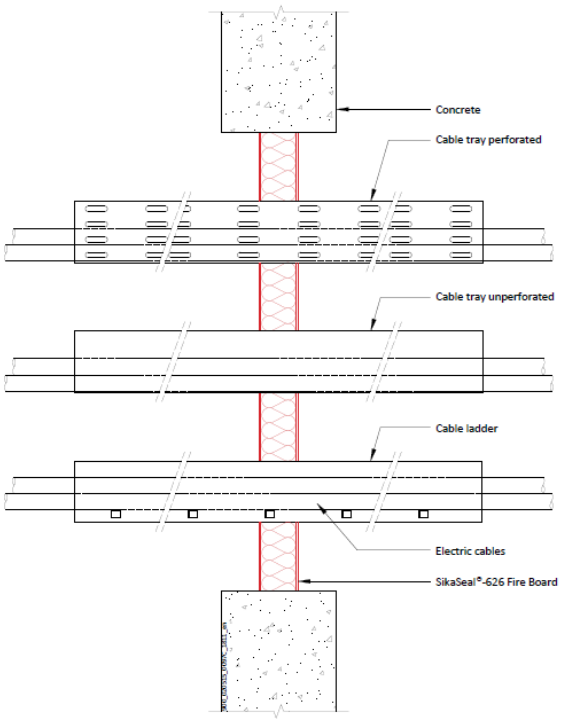

PVC Pipes EI60 U/C
Wall Thickness (mm)
Diameter (mm)
200, 9.6
200, 7.7
50, 3.7
50, 1.8


PP Pipes EI60 U/C
Wall Thickness (mm)
Diameter (mm)
200, 18.2
200, 4.9
50, 6.9
50, 2.9

A3 SikaSeal® - 626 Fire Board Penetration Seal in Rigid Walls min. 150 mm thick
A3.1 Single Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal
A3.1.1 Cable Penetrations

Construction details:

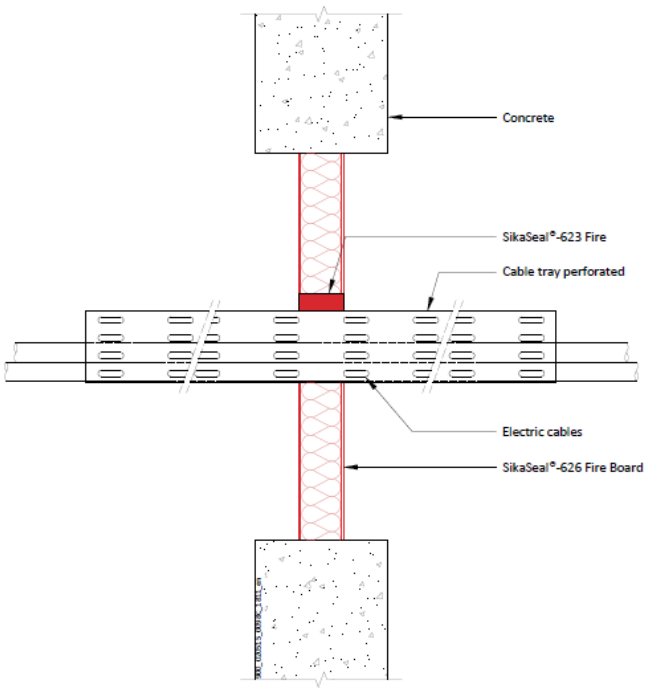
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 600mm wide x 600mm high
- Cables and cable trays wrapped with a single layer of 6mm thick Thermal Defense Wrap (L/I 300mm)
- First service support 250mm from both faces of the substrate



Service(s)	Classification
Electrical cables up to 80mm Ø	**EI 60**
Cable Trays and Ladders	**EI 60**
100 mm diameter bundle telecommunication cable type “F”	**EI 60**
Unsheathed electrical cables up to 24mmØ	**EI 60**

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- All cables coated with 2mm DFT PST Coating 300mm along the cables both sides of the seal
- 50mm deep x 20mm wide anulus SikaSeal® - 623 Fire Sealant
- First service support 400mm from both faces of the substrate

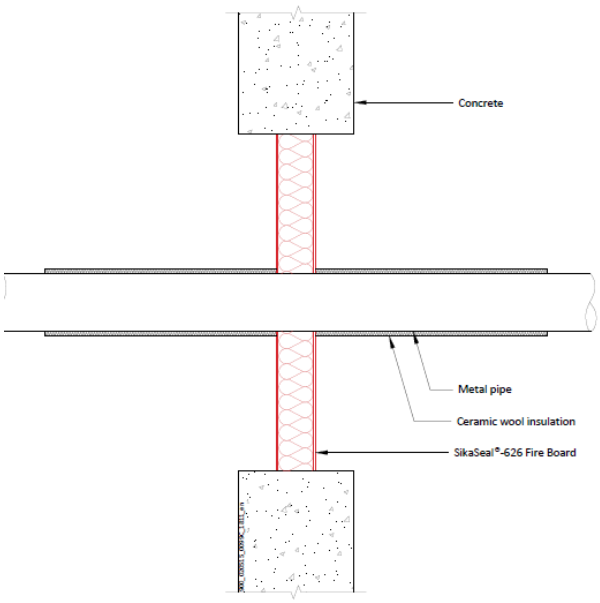


Service(s)	Classification
500mm perforated cable tray	**EI30**
Electrical cables up to 21mm ø	**EI45**
1 off 'C1' Cable	
1 off 'C2' Cable	
1 off 'C3' Cable	

A3.1.2 Metallic Pipe Penetrations

Construction details:

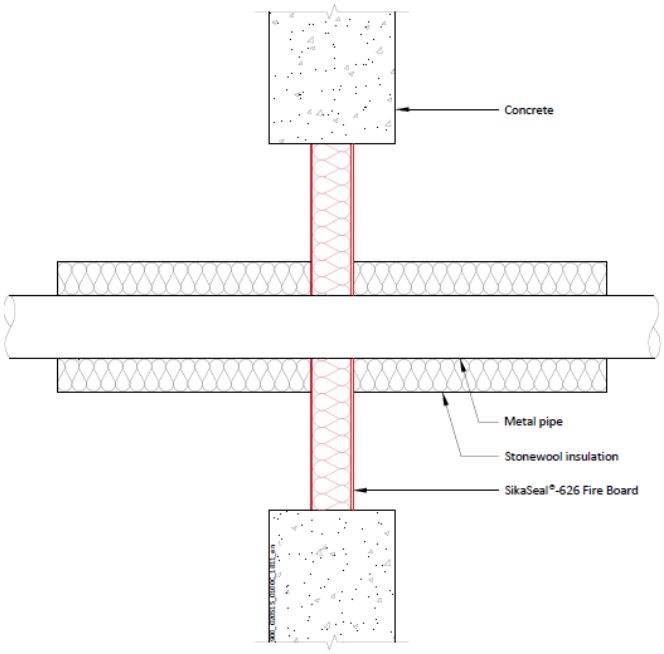
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 600mm wide x 600mm high
- Metallic pipes wrapped with a single layer of 6mm thick Thermal Defense Wrap (L/I 300mm)
- First service support 250mm from both faces of the substrate



Service(s)	Classification
Steel or Copper Pipe 108mm Ø, 1.5mm – 14.2mm Wall Thickness. (C/S) 40mm stone wool insulation (min 140Kg/m^3)	**E60 C/U** **EI45 C/U**

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1100mm high
- First service support 400mm from both faces of the substrate

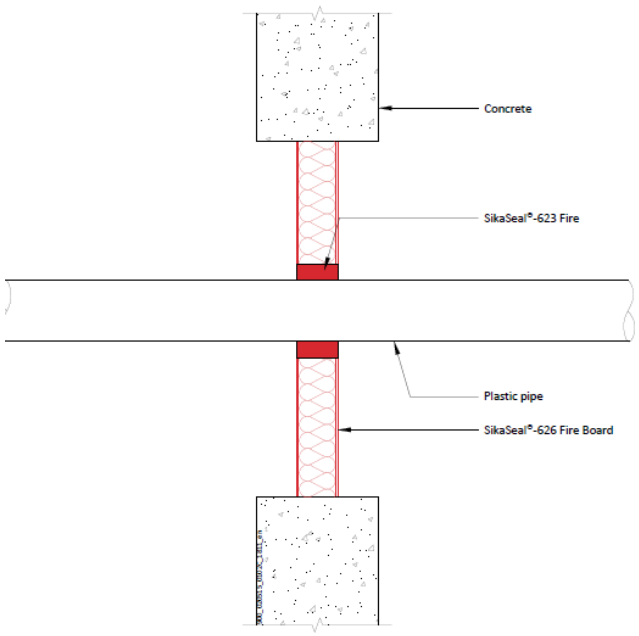


Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**EI45 C/U**
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**E45 C/U** **EI15 C/U**

A3.1.3 Plastic Pipe Penetrations

Construction details:

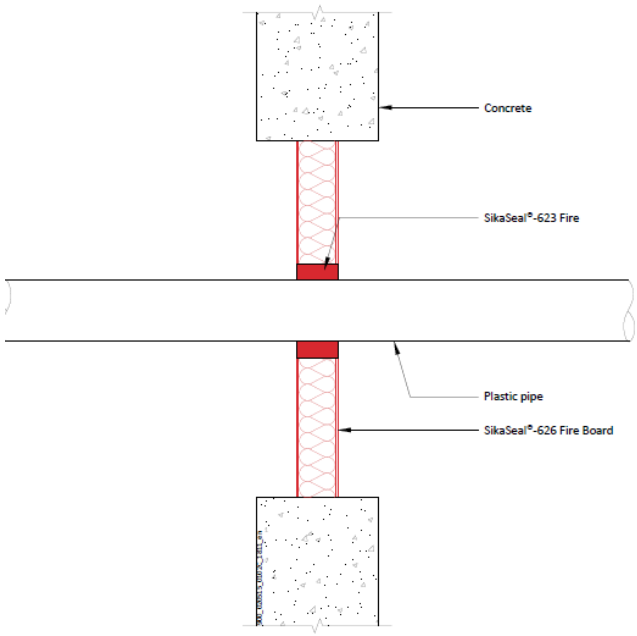
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus full 50mm depth of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



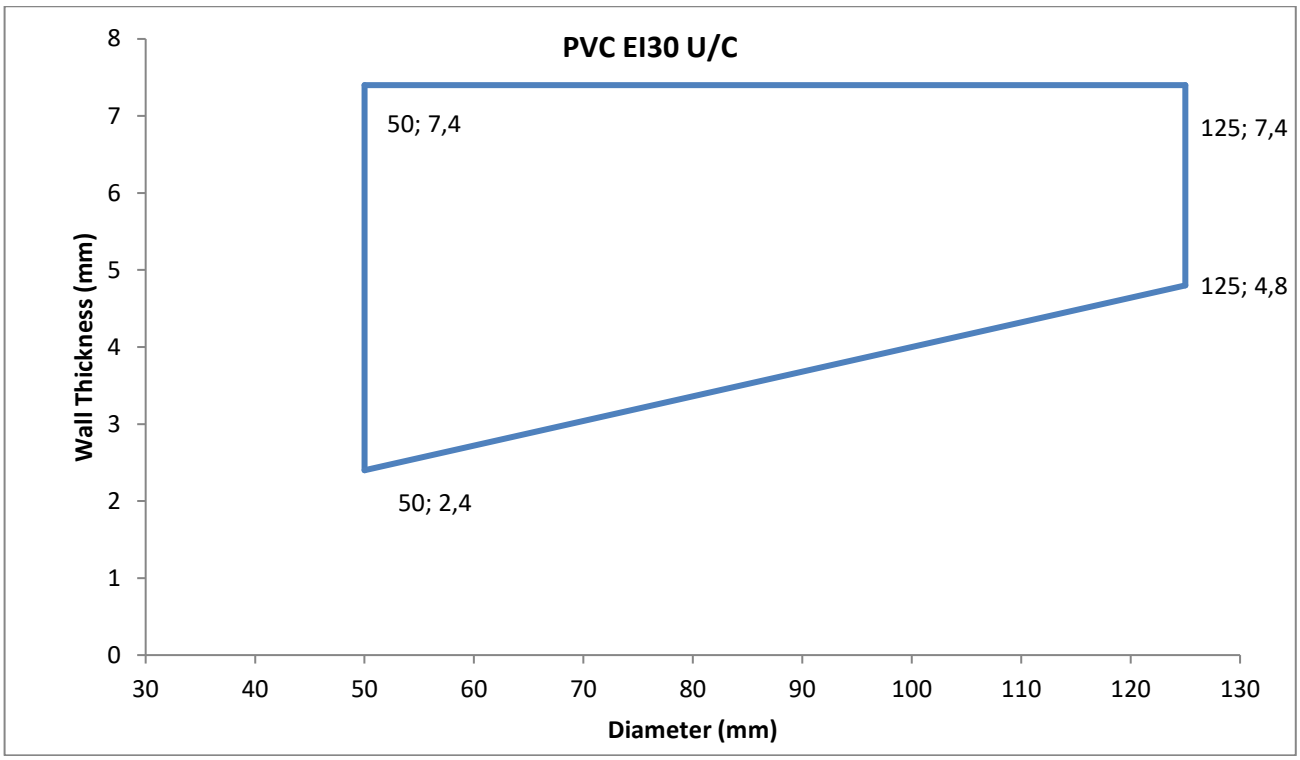
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	**E45 U/C** **EI30 U/C**
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus full 50mm depth of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



Penetration Specification	Classification
PVC Pipe 50mm ø 2.4-7.4mm wall thickness	**EI45 U/C**
Also scope as per graphs below	

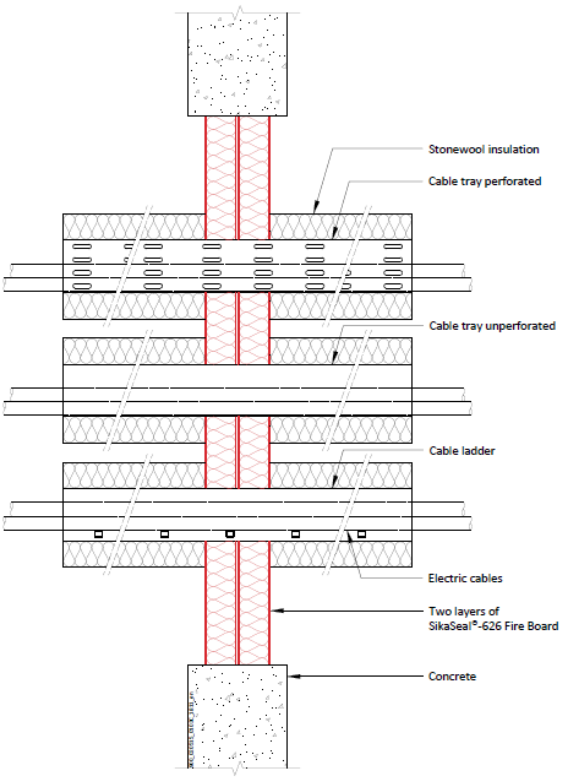

PVC EI30 U/C
Wall Thickness (mm)
Diameter (mm)
50; 7,4
125; 7,4
125; 4,8
50; 2,4
0
1
2
3
4
5
6
7
8
30
40
50
60
70
80
90
100
110
120
130

A3.2 Double Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal

A3.2.1 Cable Penetrations

Construction details:

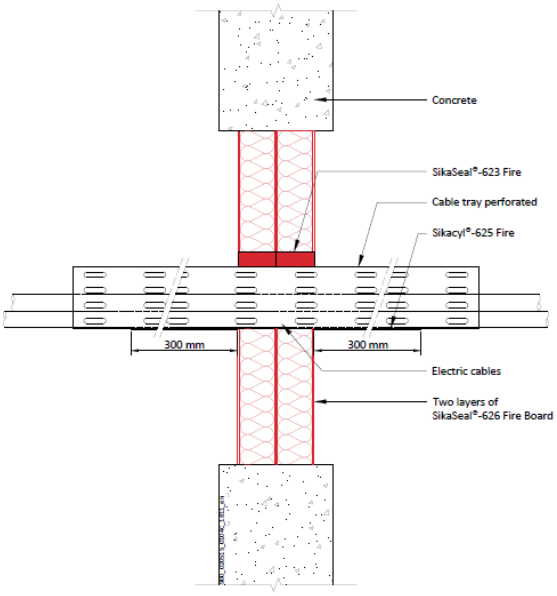
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m3 (L/l 200mm)
- First service support 400mm from both faces of the substrate



Service(s)	Classification
Electrical cables up to 21mm dia	**EI 120**
Electrical cables 22mm – 80mm dia	**E120, EI90**
Cable Trays and Ladders	**EI 120**
100 mm diameter bundle telecommunication cable type “F”	**EI 120**
Unsheathed electrical cables up to 24mm dia	**EI 120**

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1200mm high
- Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m3 (L/l 200mm)
- SikaSeal® - 623 Fire 20mm annulus full 50mm depth of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

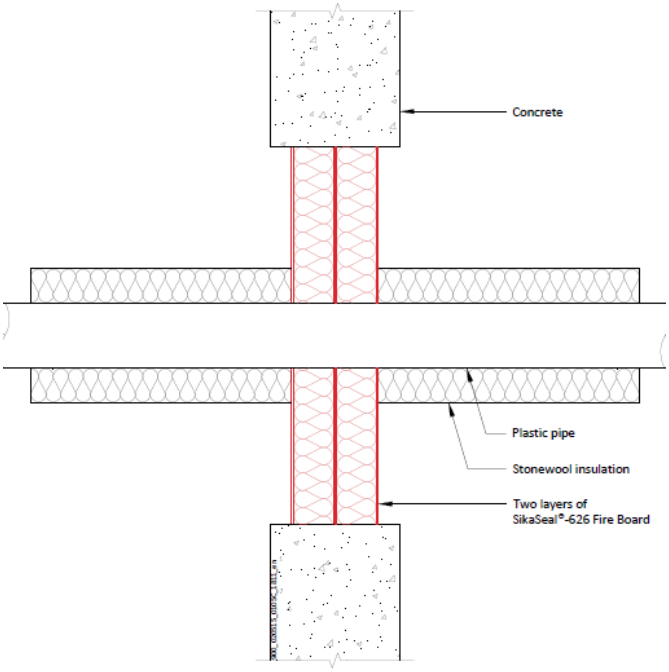


Penetration Specification	Classification
500mm perforated cable tray	**EI120**
Electrical cables up to 21mm ø	
1 off 'C1' Cable	
1 off 'C2' Cable	**E120** **EI90**
1 off 'C3' Cable	**EI120**

A3.2.2 Metallic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with 40mm stone wool insulation (min 40Kg/m^3) (L/I 300mm)
- First service support 400mm from both faces of the substrate

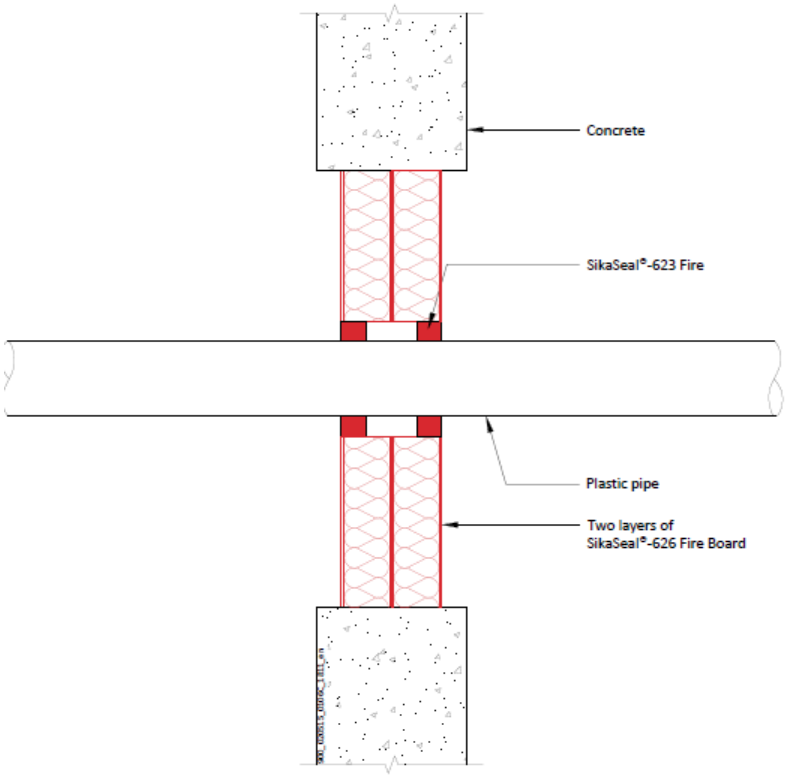


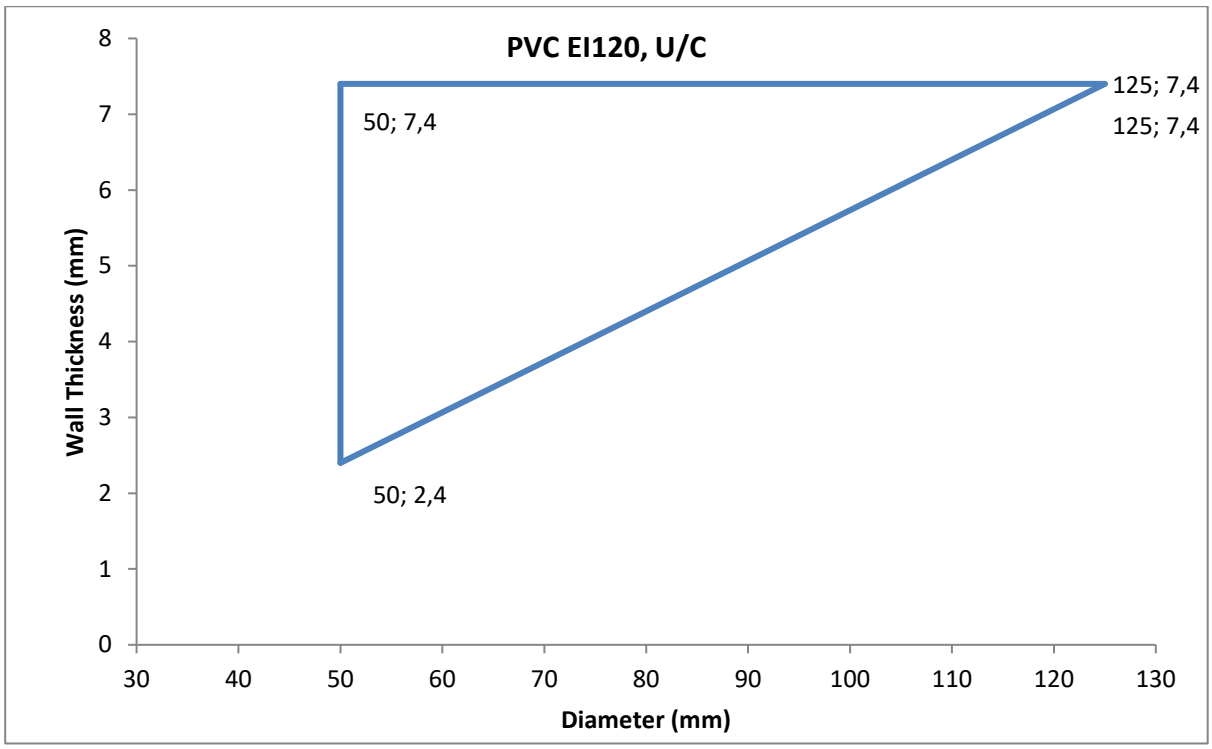
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**E120 C/U** **EI60 C/U**
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**E120 C/U** **EI30 C/U**

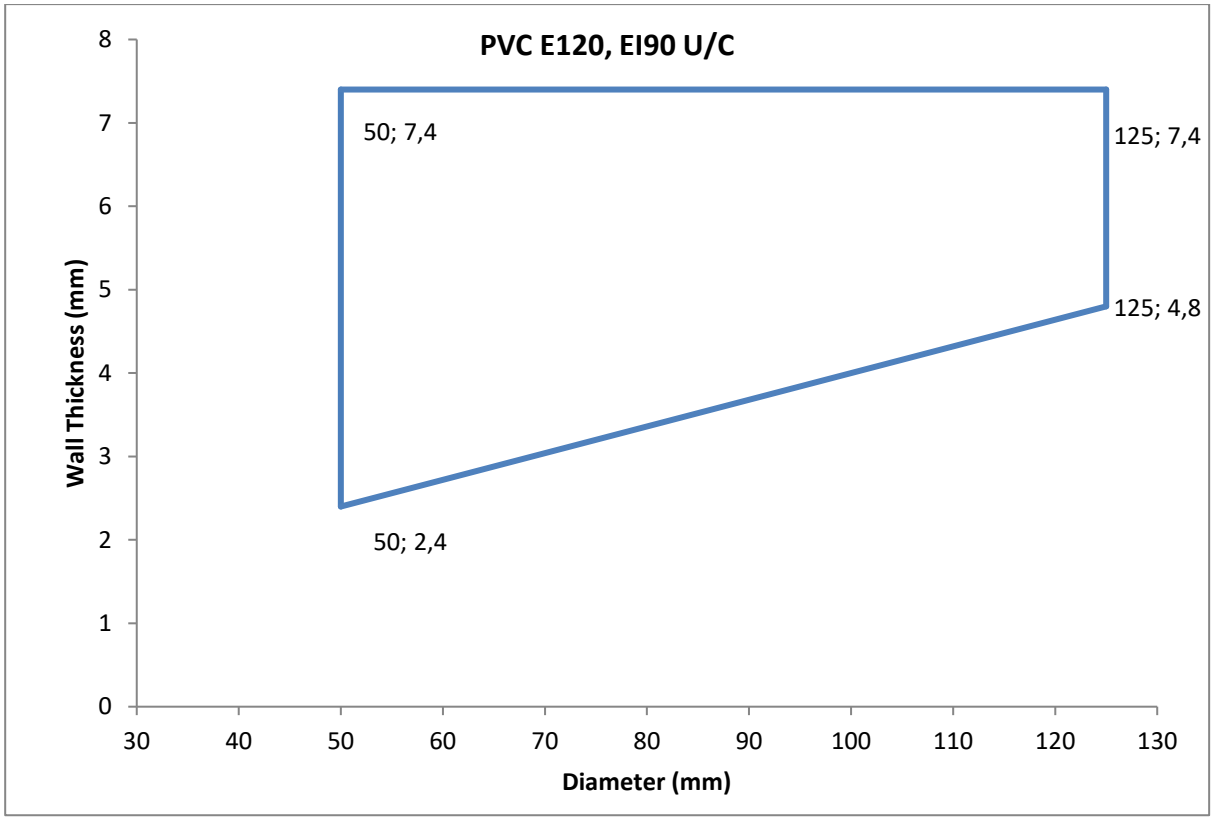
A3.2.3 Plastic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

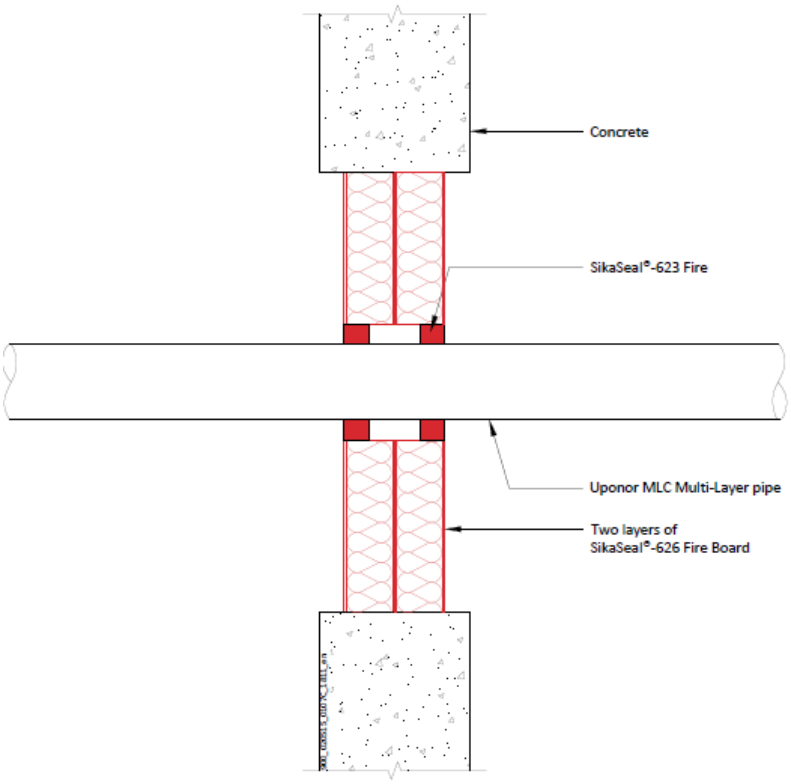



PVC EI120, U/C
Wall Thickness (mm)
Diameter (mm)
50; 7,4
125; 7,4
125; 7,4
50; 2,4
0
1
2
3
4
5
6
7
8
30
40
50
60
70
80
90
100
110
120
130


PVC E120, EI90 U/C
Wall Thickness (mm)
Diameter (mm)
50; 7,4
125; 7,4
125; 4,8
50; 2,4
0
1
2
3
4
5
6
7
8
30
40
50
60
70
80
90
100
110
120
130

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

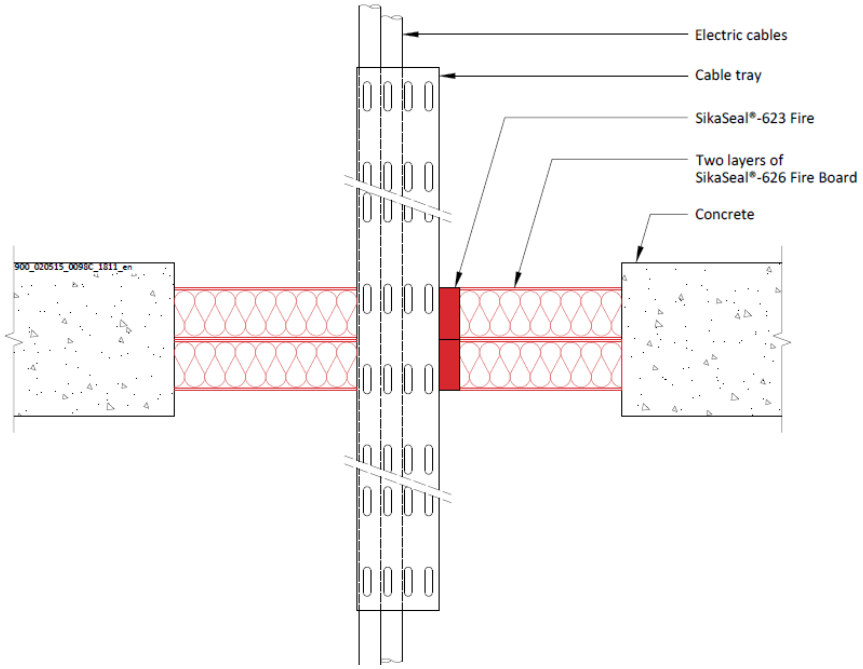


Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	EI120 U/C
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

A3 SikaSeal® - 626 Fire Board Penetration Seal in Rigid Floors min. 150 mm thick
A3.1 Double Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal
A3.1.1 Cable Penetrations

Construction details:

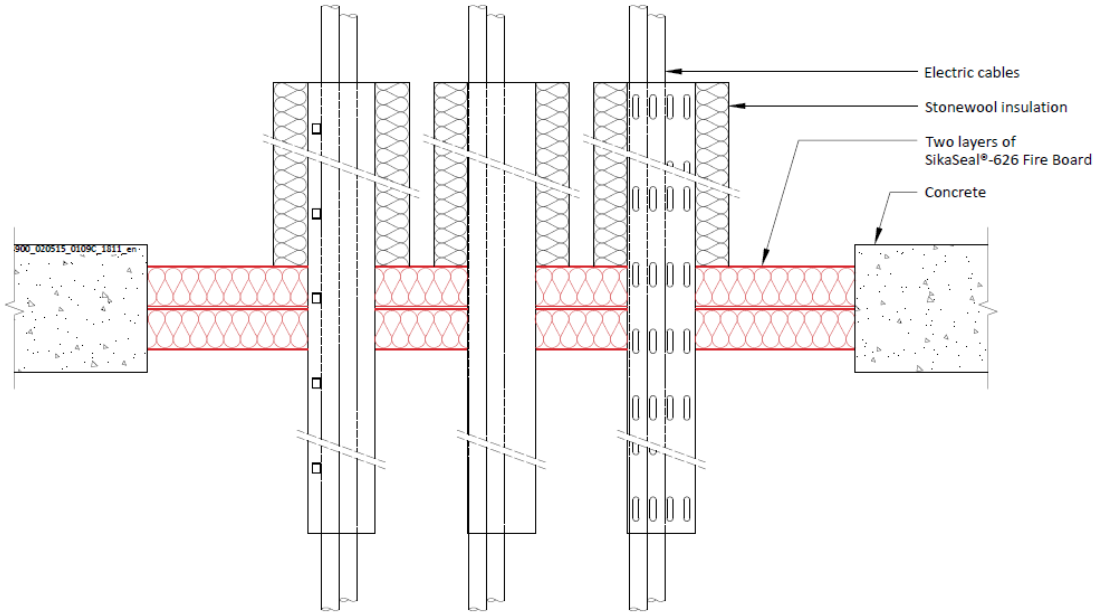
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 700mm wide x 1100mm high
- All cables coated with 2mm DFT PST Coating 300mm along the cables upper side of the seal
- SikaSeal® - 623 Fire 20mm annulus full 25mm depth both sides of the floor
- First service support 400mm from both faces of the substrate



Penetration Specification	Classification
500mm perforated cable tray	EI60
Electrical cables up to 21mm ø	
1 off 'C1' Cable	
1 off 'C2' Cable	
1 off 'C3' Cable	

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with a single layer of 40mm thick stonewool, min 40kg/m3 (L/I 300mm)
- First service support 400mm from both faces of the substrate

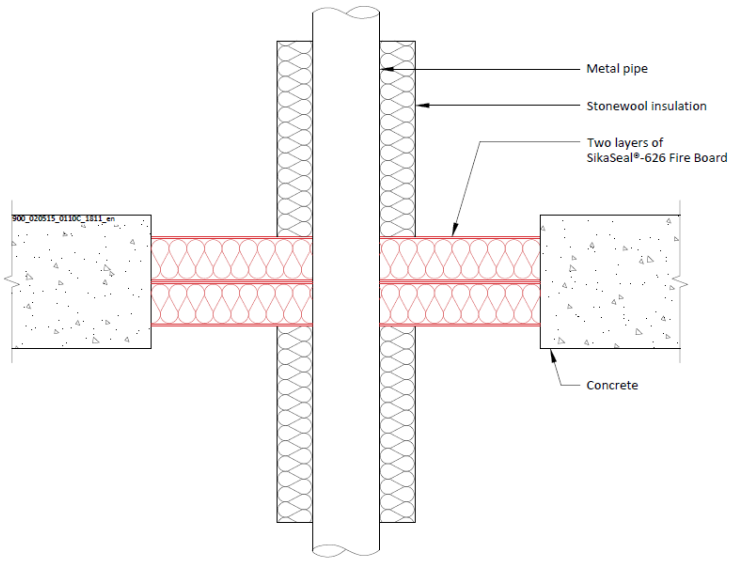


Service(s)	Classification
Electrical cables upto 80mm dia	EI60
Cable Trays and Ladders	
100 mm diameter bundle telecommunication cable type “F”	
Unsheathed electrical cables up to 17mm dia	
Unsheathed electrical cables 18-24mm dia	
Steel or Copper Conduits up to 16mm	
Plastic conduits up to 16mm	

A3.1.2 Metallic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with 40mm stone wool insulation (min 40Kg/m^3) (L/I 300mm)
- First service support 400mm from both faces of the substrate

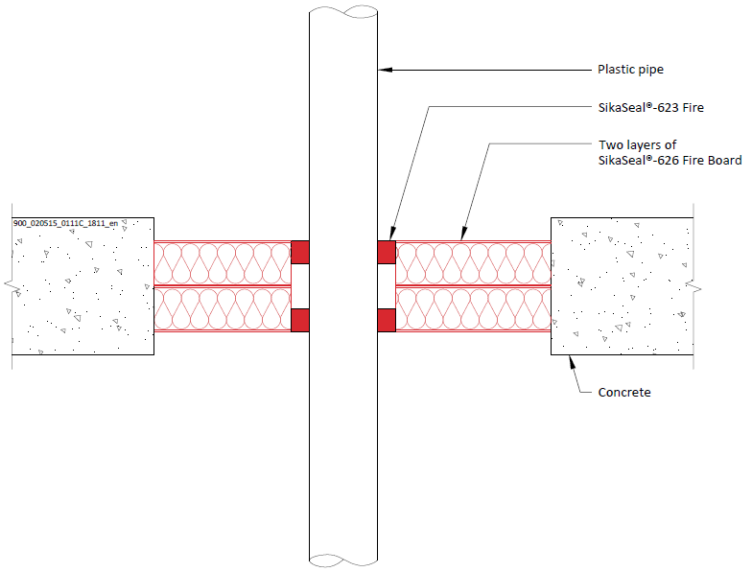


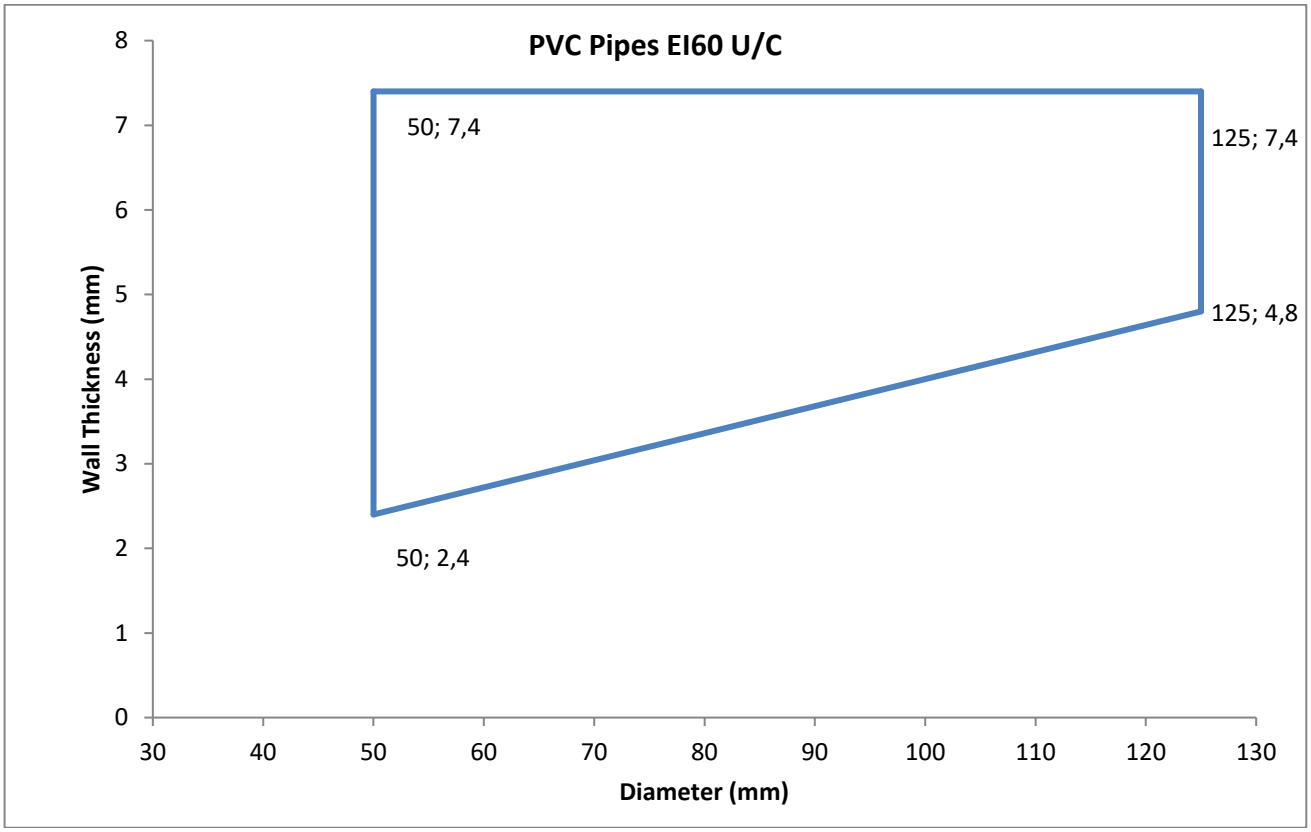
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness.	**EI120 C/U**
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness.	**E120 C/U** **EI30 C/U**

A3.1.3 Plastic Pipe Penetrations

Construction details:

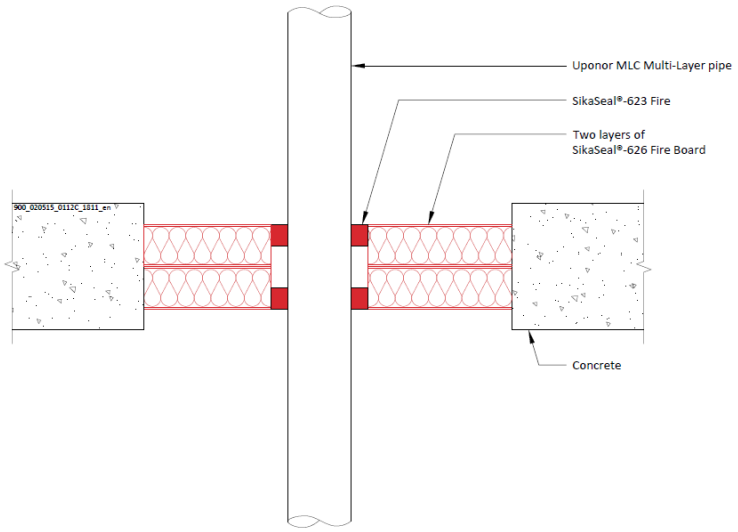
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate





Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

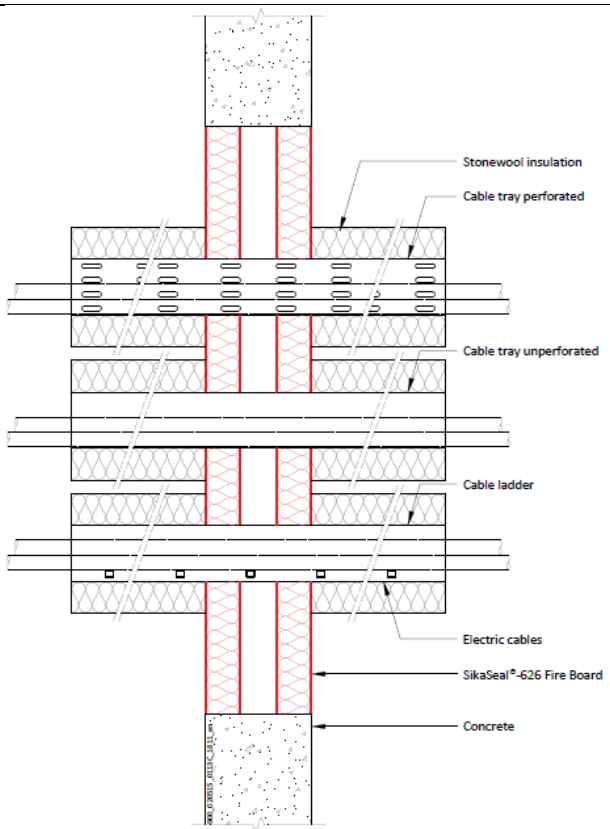


Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	EI60 U/C
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

A3 SikaSeal® - 626 Fire Board Penetration Seal in Rigid Walls min. 150 mm thick
A3.1 Double Layer (60mm) SikaSeal® - 626 Fire Board Penetration Seal
A3.1.1 Cable Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m3 (L/I 200mm)
- First service support 400mm from both faces of the substrate



Service(s)	Classification
Electrical cables up to 21mm dia	**EI 120**
Electrical cables 22mm – 80mm dia	**E120** **EI90**
Cable Trays and Ladders	**EI 120**
100 mm diameter bundle telecommunication cable type “F”	**EI 120**
Unsheathed electrical cables up to 24mm dia	**EI 120**

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 08 July 2020

. . . . . .

Name : Kristian Larsen
Function: Head Sealing and Bonding
At Farum on 08 July 2020

. . . . . .

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

FULL CE MARKING

CE 19
Sika Services AG, Zurich, Switzerland
55479509
EAD 350454-00-1104:2017
1121, 2812
Fire stopping and fire sealing products, penetration seals

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

Product Type: Board		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	Rw (C;Ctr)= 24(-2;-3)
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

3.3 Air permeability

System SikaSeal® - 626 Fire Board has been tested in accordance with BS EN 1314-1 to provide the following results:

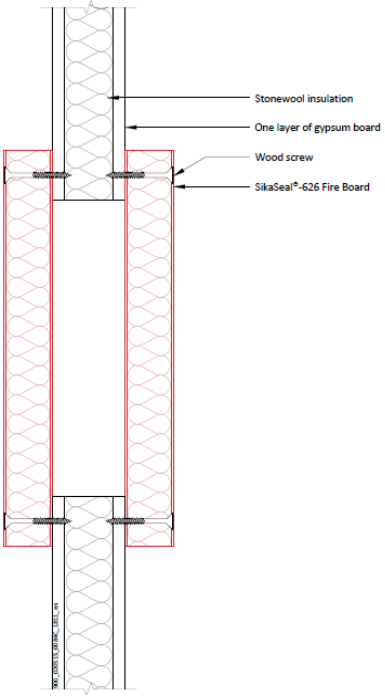
Product tested			SikaSeal® - 626 Fire Board	
	Results under positive chamber pressure		Results under negative chamber pressure	
Pressure (Pa)	Leakage (m^3/h)	Leakage ($m^3/m^3/h$)	Leakage (m^3/h)	Leakage ($m^3/m^3/h$)
50	0,6	0,8	1,1	1,5
100	1,0	1,4	1,3	1,8
150	2,8	3,9	1,5	2,1
200	3,8	5,3	1,9	2,6
250	4,5	6,3	2,0	2,8
300	5,0	6,9	2,4	3,3
450	5,1	7,1	1,9	2,6
600	6,7	9,3	2,2	3,1

Annex A
Resistance to Fire Classification of SikaSeal® - 626 Fire Board

A1 SikaSeal® - 626 Fire Board Penetration Seal in Flexible or Rigid Walls min. 70 mm thick
A1.1 Single Layer (50mm both sides) SikaSeal® - 626 Fire Board Patress Install Penetration Seal
A1.1.1 Cables and Conduits Penetrations

Construction details:

- Single layer of SikaSeal® - 626 Fire Board patress installed both sides of the wall.
- Max. Aperture size 570mm wide x 200mm high
- Patress installation of SikaSeal® - 626 Fire Board.
  - The SikaSeal® - 626 Fire Board are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 50mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- First service support 1025mm from both faces of the substrate



Service(s)	Classification
500mm wide x 60mm deep steel cable basket containing 3 x type 'B' cable and 20 x bundle of telecoms cables	EI90
500mm wide x 60mm deep steel cable tray containing 1 x type 'B' cable, 3 x type 'A1' cable, 3 x type 'A2' cable, and 3 x type 'A3' cable	

Service(s)	Classification
20mm dia Adaptaflex SPL20 flexible conduit	EI90
20mm dia Kopex KSU 316 stainless steel flexible conduit	
150mm wide x 60mm deep steel cable tray containing 4 x FP200 Gold (Firealarm cable 7mm dia red) Cables	

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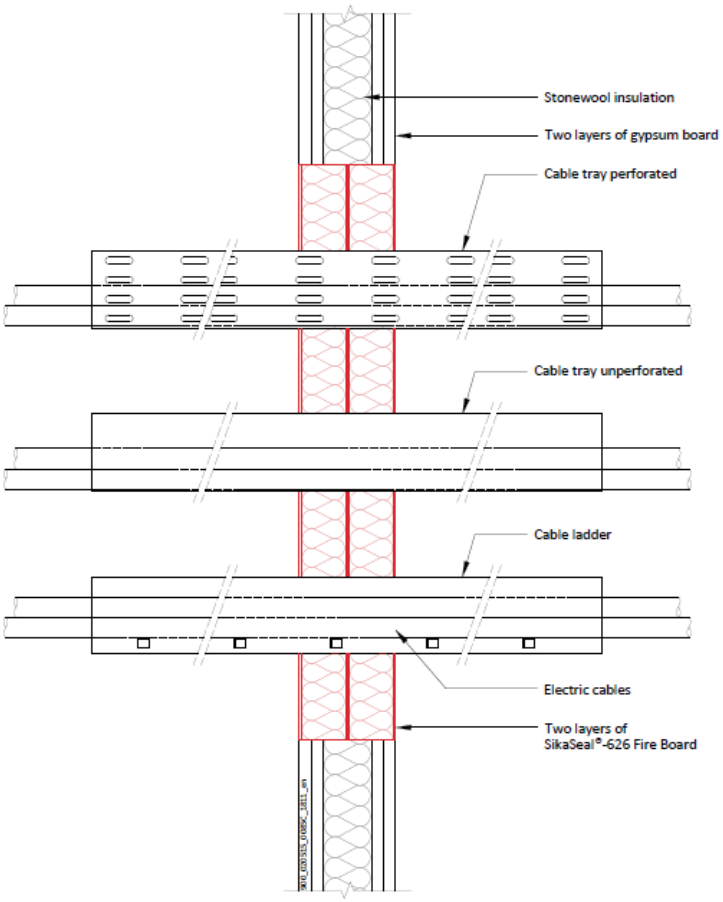
A2 SikaSeal® - 626 Fire Board Penetration Seal in Flexible or Rigid Walls min. 100 mm thick
A2.1 Double Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal
A2.1.1 Cable Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- First service support 250mm from both faces of the substrate



Service(s)	Classification
Electrical cables up to 21mm dia	**EI 60**
Electrical cables 22mm to 80mm dia	**E 60** **EI 45**
Cable Trays and Ladders	**EI 60**
100 mm diameter bundle telecommunication cable type “F”	**EI 60**
Unsheathed electrical cables up to 17mm dia	**E 60** **EI 30**
Unsheathed electrical cables 18-24mm dia	**E 60** **EI 15**
Steel or Copper Conduits up to 16mm	**E 60** **EI 15**

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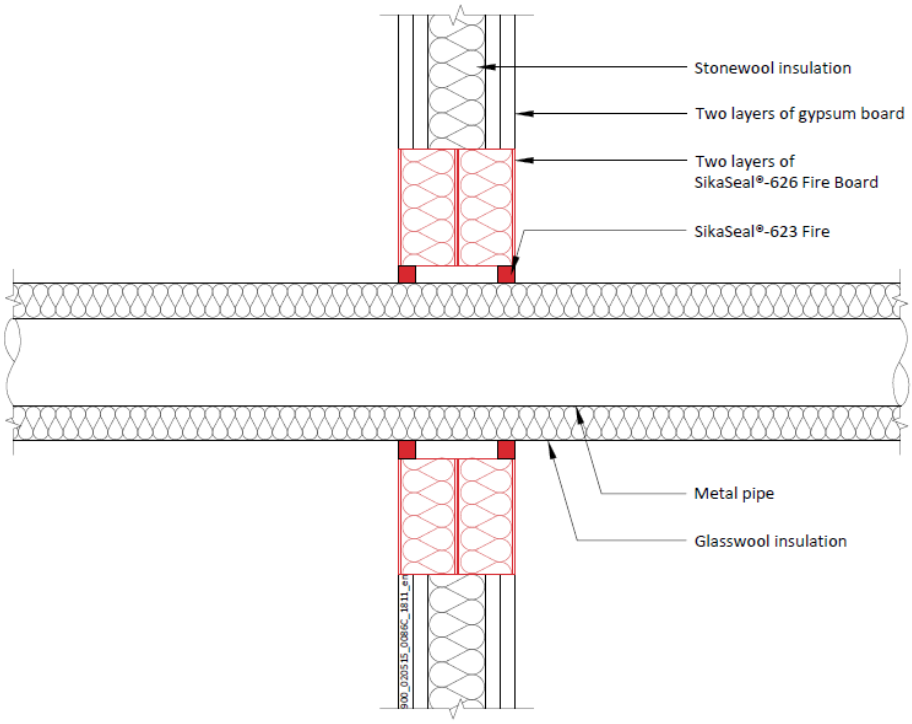
Plastic conduits up to 16mm	**EI 60**

A2.1.2 Metalic Pipe Penetrations

Construction details:

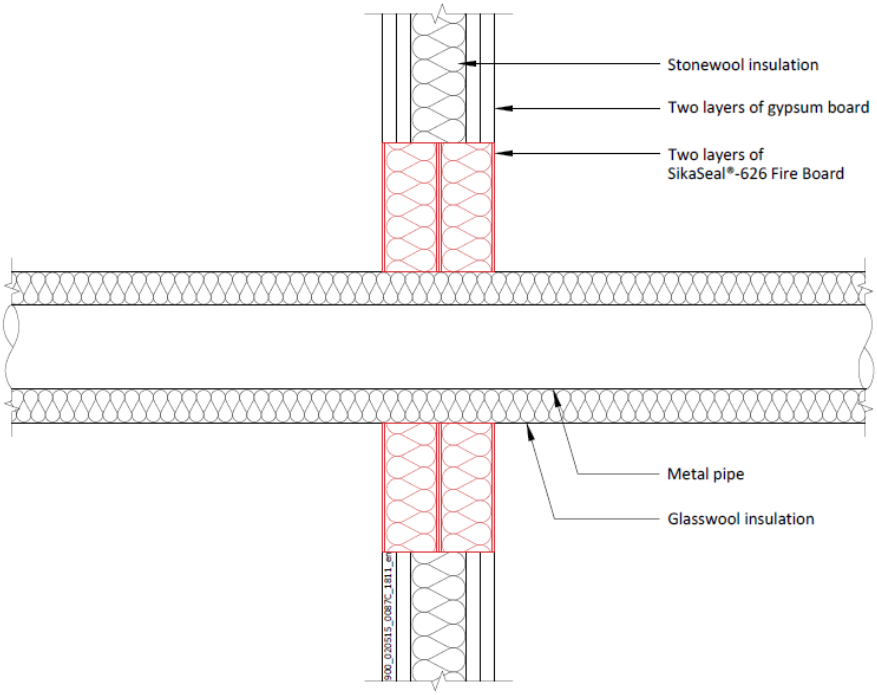
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- 15mm deep x 15mm wide anulus SikaSeal® - 623 Fire Sealant to both faces
- First service support 250mm from both faces of the substrate



Service(s)	Classification
Single copper or mild steel pipe 40mm diameter and 1.5 – 14.2 mm wall with sustained/continuous 20mm thick foil faced glass wool insulation (min 80Kg/m^3)	**E 90 U/C** **EI 60 U/C**
Single copper or mild steel pipe 40-159mm diameter and 2.3 – 14.2 mm wall with sustained/continuous 30mm thick foil faced glass wool insulation (min 80Kg/m^3)	**EI 60 U/C**

Construction details:

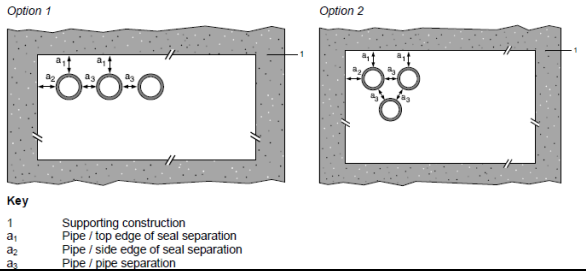
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 600mm wide x 600mm high
- Continuous / Sustained CS insulated metallic pipes
- First service support 400mm from both faces of the substrate

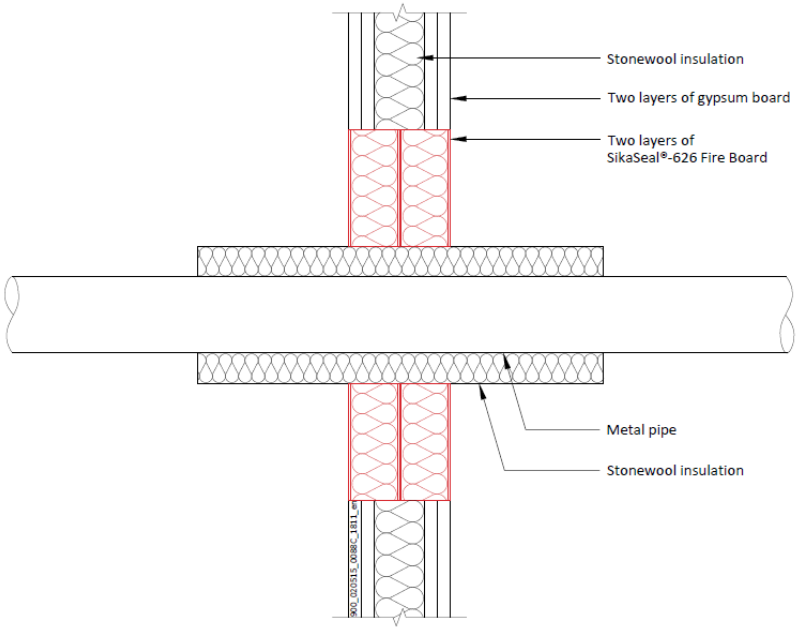


Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 45 C/U**
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 60 C/U**

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate

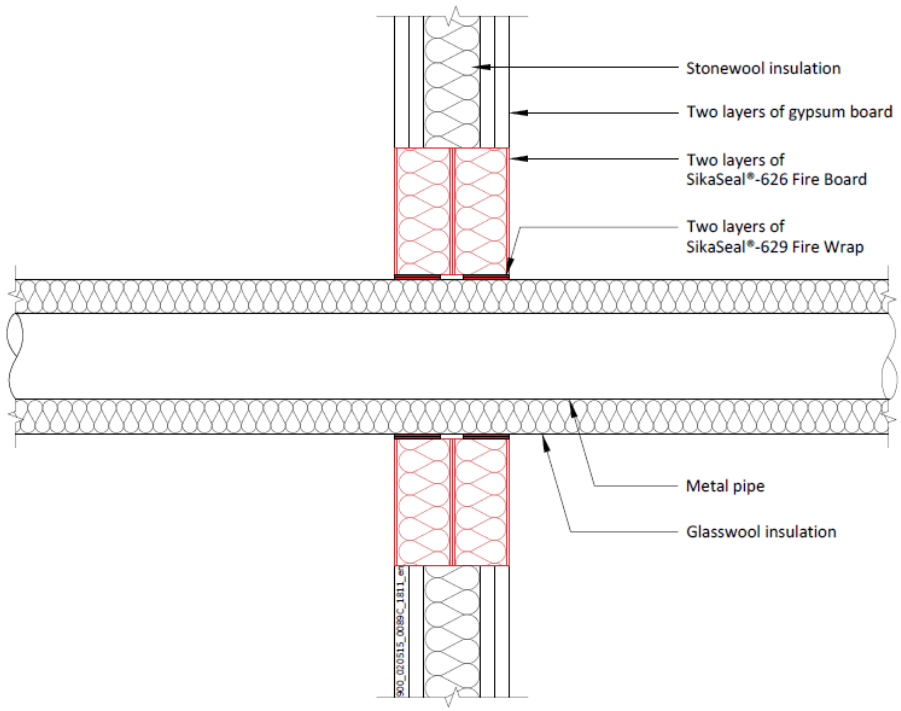




Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness 40mm thick stonewool insulation min. 40kg/m³ (L/I 400mm)	**EI 45 C/U**
Steel 42-324mm Ø, 16mm wall thickness. 40mm thick stonewool insulation min. 40kg/m³ (L/I 400mm)	**EI 45 C/U**
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness PST coating along the penetration 2mm DFT (L/I 400mm)	**E 120 C/U** **EI 45 C/U**
Steel 42-324mm Ø, 16mm wall thickness. 14.2mm wall thickness PST coating along the penetration 2mm DFT (L/I 400mm)	**E 120 C/U** **EI 45 C/U**

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- 2 x 2mm thick layers of SikaSeal® - 629 Fire Wrap installed both sides of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



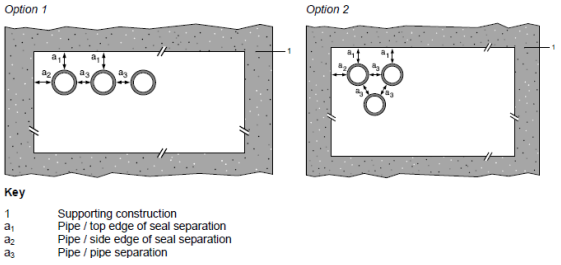
Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST Insulation (C/S)	**E 120 C/U** **EI 60 C/U**
Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[1]Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**E 120 C/U** **EI 60 C/U**
Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[1]Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 50mm thick glassfibre insulation (C/S)	**E 120 C/U** **EI 90 C/U**

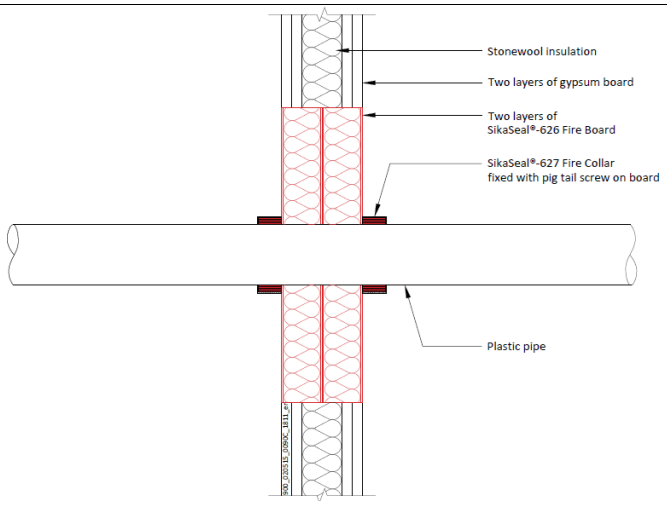
A2.1.3 Plastic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 627 Fire Collar secured both faces of the substrate utilising 80mm long steel pig tail screw through to SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal

- First service support 400mm from both faces of the substrate





Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	EI 120 U/C
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	
PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness	160mm	

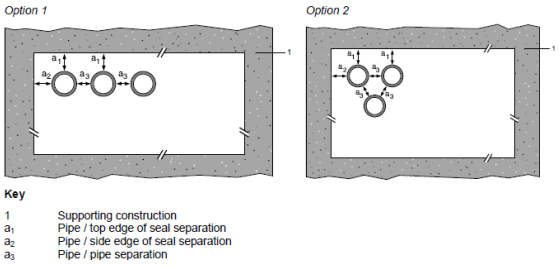
Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	

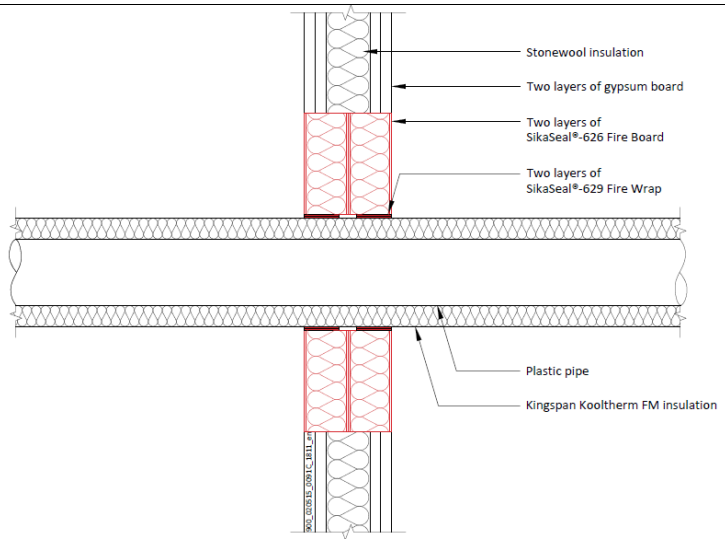
Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	

A2.1.4 Insulated Plastic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 629 Fire Wrap secured internally within both faces of the SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate



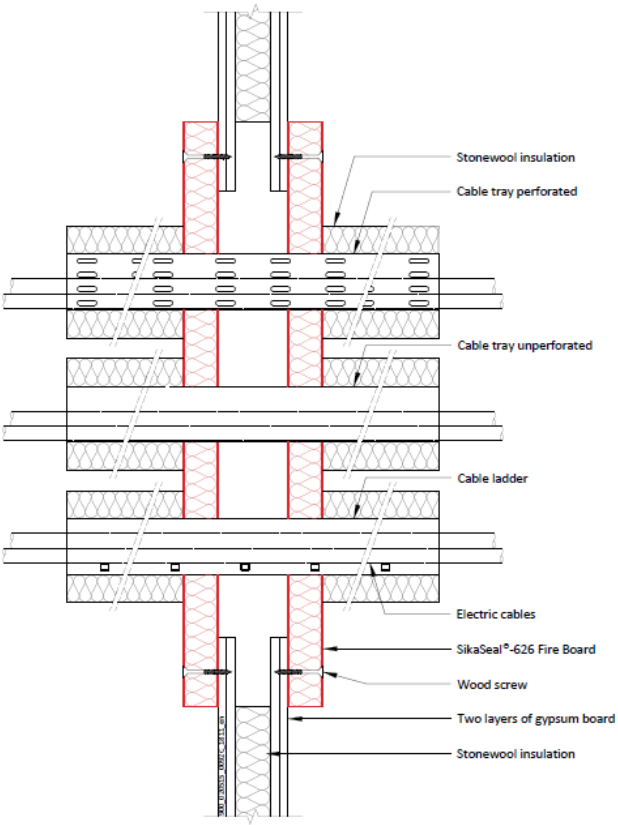


Service(s)	SikaSeal® - 629 Fire Wrap Ref	Classification
PVC Pipe 40mm Ø, 1.9mm wall thickness. 25 mm thick Kingspan Kooltherm FM insulation (C/S)	3 x 2mm thickness	**E 120 U/C EI 90 U/C**
PVC Pipe 40mm Ø, 3mm wall thickness. 15 mm thick Kingspan Kooltherm FM insulation (C/S)	3 x 2mm thickness	
PVC Pipe 110mm Ø, 4.2mm wall thickness. 25 mm thick Kingspan Kooltherm FM insulation (C/S)	5 x 2mm thickness	**EI 120 U/C**
PVC Pipe 110mm Ø, 6.6mm wall thickness. 20 mm thick Kingspan Kooltherm FM insulation (C/S)	5 x 2mm thickness	**E 120 U/C EI 90 U/C**
PVC Pipe 40mm Ø, 1.9mm wall thickness. 32 mm thick Armacell Armaflex Class O (C/S)	3 x 2mm thickness	**E 120 U/C EI 90 U/C**
PVC Pipe 40mm Ø, 3mm wall thickness. 9 mm thick Armacell Armaflex Class O (C/S)	3 x 2mm thickness	
PVC Pipe 110mm Ø, 4.2mm wall thickness. 32 mm thick Armacell Armaflex Class O (C/S)	5 x 2mm thickness	**EI 120 U/C**
PVC Pipe 110mm Ø, 6.6mm wall thickness. 13 mm thick Armacell Armaflex Class O (C/S)	5 x 2mm thickness	**E 120 U/C EI 90 U/C**

A2.2 Single Layer (50mm) SikaSeal® - 626 Fire Board Patress Installed Both Faces Penetration Seal
A2.2.1 Cable Penetrations

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 750mm wide x 1200mm high
- Cables and cable trays wrapped with a single layer of 40mm thick, 40kg/m3 Stonewool (L/I 300mm)
- First service support 400mm from both faces of the substrate

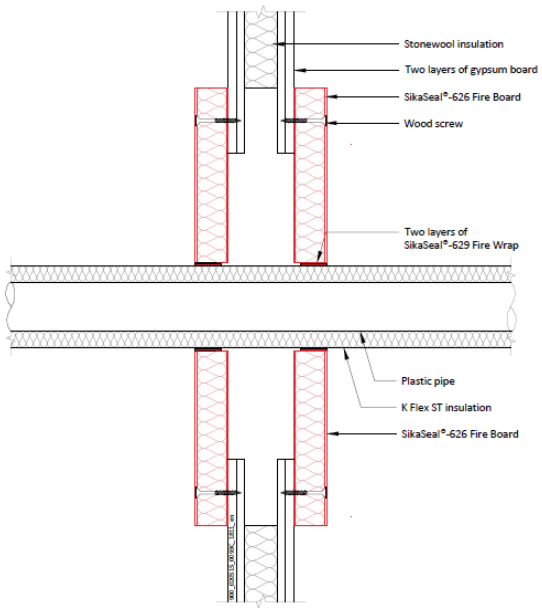


Service(s)	Classification
Electrical cables upto 80mm Ø	EI120
Cable Trays and Ladders	
100 mm diameter bundle telecommunication cable type “F”	
Unsheathed electrical cables up to 24mm Ø	
Steel or Copper Conduits up to 16mm Ø	
Plastic conduits up to 16mm Ø	

A2.2.2 Metalic Pipe Penetrations

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 750mm wide x 1200mm high
- Continuous / Sustained CS insulated metallic pipes
- 2 x 2mm thick layers of SikaSeal® - 629 Fire Wrap installed both sides of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



Service(s)	Classification
[2]Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 13-25mm thick K Flex ST Insulation (C/S)	**E 120 C/U** **EI 60 C/U**
[2]Steel or Copper Pipe 42-159mm Ø, 1.2 – 14.2mm wall thickness. 25mm thick K Flex ST insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[2]Steel or Copper Pipe 42mm Ø, 1 – 14.2mm wall thickness. 25-13mm thick K Flex ST insulation (C/S)	**EI 120 C/U**
[2]Steel or Copper Pipe 42-108mm Ø, 1.2 – 14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**E 120 C/U** **EI 90 C/U**
[2]Steel or Copper Pipe 42mm Ø, 1–14.2mm wall thickness. 25 -40mm thick Kingspan Kooltherm FM insulation (C/S)	**EI 120 C/U**
[2]Steel or Copper Pipe 42mm Ø, 1.2–14.2mm wall thickness. 50mm thick glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 90 C/U**

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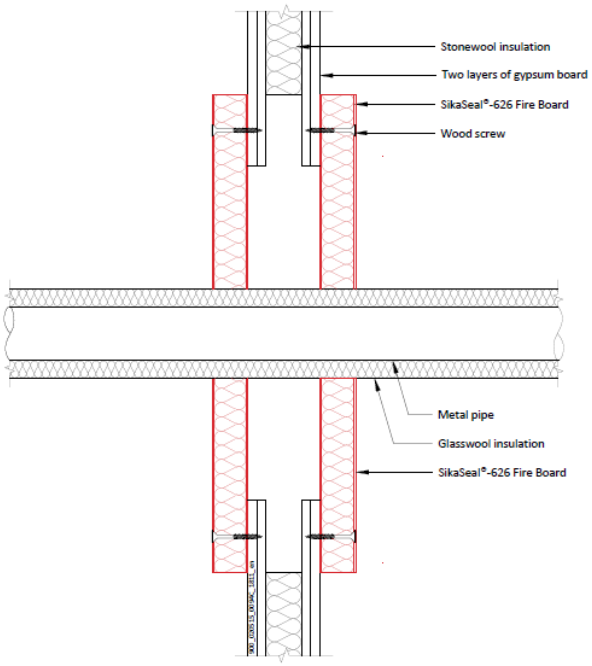
Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 600mm wide x 600mm high
- Continuous / Sustained CS insulated metallic pipes
- First service support 400mm from both faces of the substrate

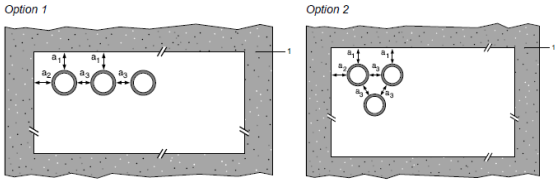


Service(s)	Classification
Steel or Copper Pipe 42-159mm Ø, 1.2mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**E 120 C/U** **EI 90 C/U**
Steel or Copper Pipe 42mm Ø, 1mm – 14.2mm wall thickness. 25mm thick foil faced glassfibre insulation min. 30kg/m^3 (C/S)	**EI 120 C/U**

A2.2.3 Plastic Pipe Penetrations

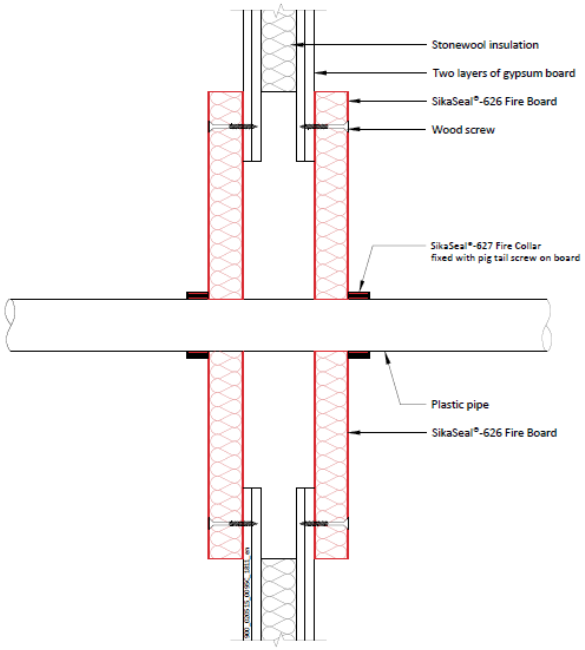
Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 627 Fire Collar secured both faces of the substrate utilising 80mm long steel pig tail screw through to SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate



Key

1	Supporting construction
a_1	Pipe / top edge of seal separation
a_2	Pipe / side edge of seal separation
a_3	Pipe / pipe separation



Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PVC Pipe 32mm Ø, 1.8mm wall thickness	32mm	EI 120 U/C
PVC Pipe 40mm Ø, 1.8mm wall thickness	40mm	
PVC Pipe 50mm Ø, 1.8mm wall thickness	50mm	
PVC Pipe 55mm Ø, 1.8-2.3mm wall thickness	55mm	
PVC Pipe 63mm Ø, 2.3-3mm wall thickness	63mm	
PVC Pipe 75mm Ø, 3.1-4.8mm wall thickness	75mm	
PVC Pipe 82mm Ø, 3.1-4.8mm wall thickness	82mm	
PVC Pipe 90mm Ø, 4.2-7.4mm wall thickness	90mm	
PVC Pipe 100mm Ø, 4.2-7.4mm wall thickness	100mm	
PVC Pipe 110mm Ø, 4.2-7.4mm wall thickness	110mm	
PVC Pipe 125mm Ø, 6mm wall thickness	125mm	
PVC Pipe 140mm Ø, 6.1-7.5mm wall thickness	140mm	
PVC Pipe 160mm Ø, 6.2-9.5mm wall thickness	160mm	

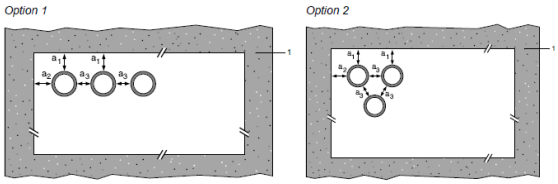
Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PP Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PP Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PP Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PP Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PP Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PP Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PP Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PP Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PP Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PP Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PP Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PP Pipe 140mm Ø, 3.5-8mm wall thickness	140mm	
PP Pipe 160mm Ø, 4-14.6mm wall thickness	160mm	

Service(s)	SikaSeal® - 627 Fire Collar Ref	Classification
PE Pipe 32mm Ø, 2.9mm wall thickness	32mm	EI 120 U/C
PE Pipe 40mm Ø, 2.9mm wall thickness	40mm	
PE Pipe 50mm Ø, 2.9mm wall thickness	50mm	
PE Pipe 55mm Ø, 2.9-4.4mm wall thickness	55mm	
PE Pipe 63mm Ø, 2.9-4.4mm wall thickness	63mm	
PE Pipe 75mm Ø, 2.8-6.7mm wall thickness	75mm	
PE Pipe 82mm Ø, 2.8-6.7mm wall thickness	82mm	
PE Pipe 90mm Ø, 2.7-10mm wall thickness	90mm	
PE Pipe 100mm Ø, 2.7-10mm wall thickness	100mm	
PE Pipe 110mm Ø, 2.7-10mm wall thickness	110mm	
PE Pipe 125mm Ø, 3.1mm wall thickness	125mm	
PE Pipe 140mm Ø, 3.9-5.8mm wall thickness	140mm	
PE Pipe 160mm Ø, 4.9-9.5mm wall thickness	160mm	

Construction details:

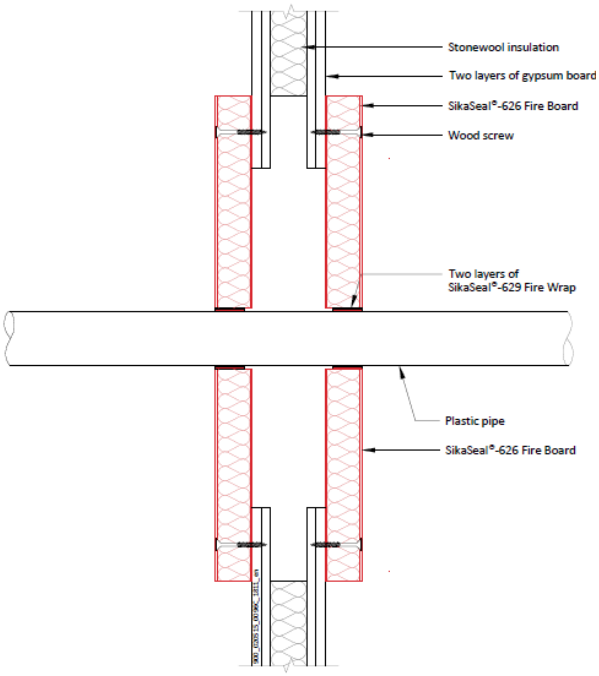
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed both faces of the wall.
  - Patress installation of SikaSeal® - 626 Fire Board. The Boards are installed in horizontal rows and fixed in minimum two vertical edges. Overlap of Boards to substrate min 100mm. Boards mechanically fixed to substrate with min 6mm x 80mm steel screws and steel retaining washer. Fixings installed at max 300mm centres
- Max. Aperture size 730mm wide x 1200mm high
- SikaSeal® - 628 Fire Wrap secured internally within both faces of the SikaSeal® - 626 Fire Board
- Penetrations positioned as per option 1 or 2 below, 0mm distance between services and 50mm to edge of seal
- First service support 400mm from both faces of the substrate

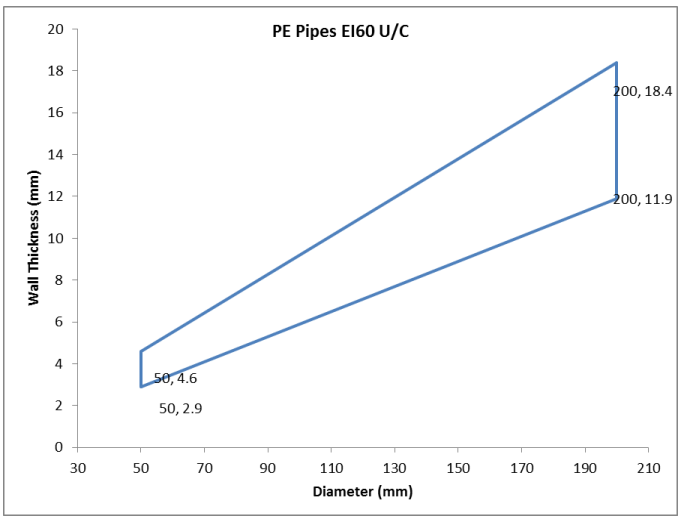
Intumescent Thickness	
Pipe Diameter	**Intumescent Material**
ø 32 mm - ø 50 mm	40 mm (W) x 2 mm (T)
ø 51 mm - ø 82 mm	40 mm (W) x 4 mm (T)
ø 83 mm - ø 115 mm	40 mm (W) x 6 mm (T)
ø 116 mm - ø 160 mm	40 mm (W) x 8 mm (T)
ø 161 mm - ø 200 mm	40 mm (W) x 10 mm (T)
ø 201 mm - ø 250 mm	40 mm (W) x 12 mm (T)

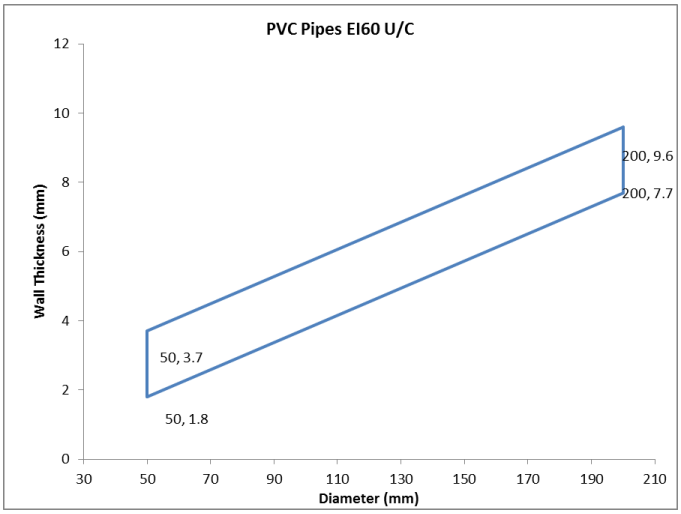


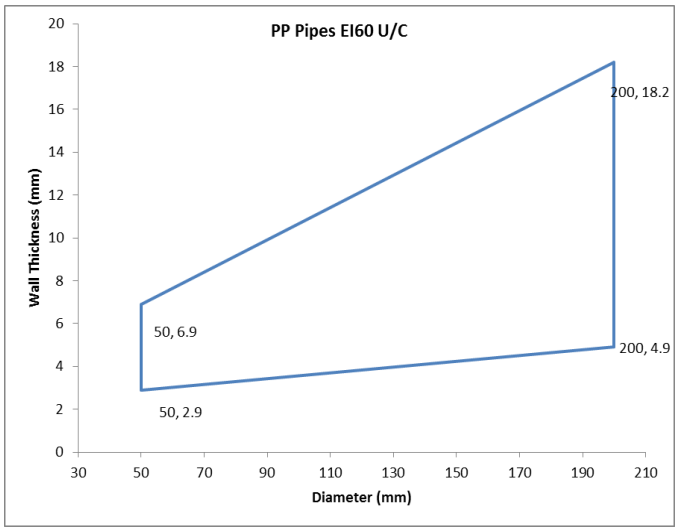
Key

1 Supporting construction
a_1 Pipe / top edge of seal separation
a_2 Pipe / side edge of seal separation
a_3 Pipe / pipe separation




PE Pipes EI60 U/C
Wall Thickness (mm)
Diameter (mm)
200, 18.4
200, 11.9
50, 4.6
50, 2.9

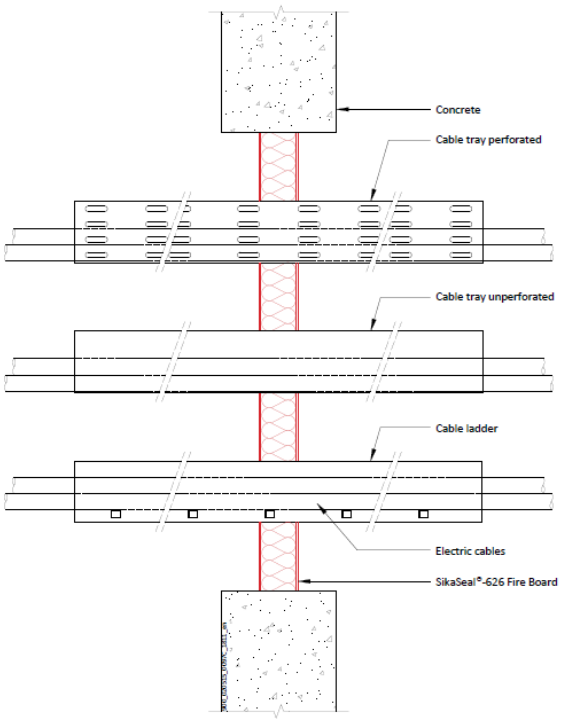

PVC Pipes EI60 U/C
Wall Thickness (mm)
Diameter (mm)
200, 9.6
200, 7.7
50, 3.7
50, 1.8


PP Pipes EI60 U/C
Wall Thickness (mm)
Diameter (mm)
200, 18.2
200, 4.9
50, 6.9
50, 2.9

A3 SikaSeal® - 626 Fire Board Penetration Seal in Rigid Walls min. 150 mm thick
A3.1 Single Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal
A3.1.1 Cable Penetrations

Construction details:

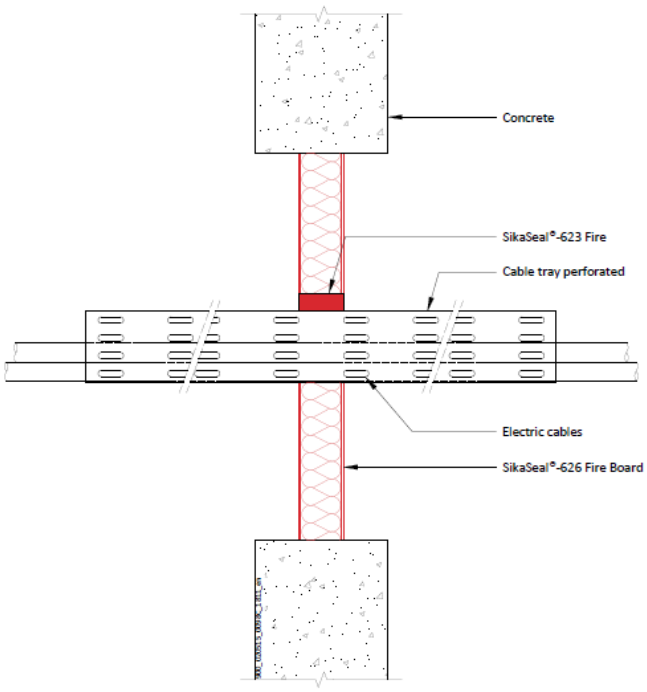
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 600mm wide x 600mm high
- Cables and cable trays wrapped with a single layer of 6mm thick Thermal Defense Wrap (L/I 300mm)
- First service support 250mm from both faces of the substrate



Service(s)	Classification
Electrical cables up to 80mm Ø	**EI 60**
Cable Trays and Ladders	**EI 60**
100 mm diameter bundle telecommunication cable type "F"	**EI 60**
Unsheathed electrical cables up to 24mmØ	**EI 60**

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- All cables coated with 2mm DFT PST Coating 300mm along the cables both sides of the seal
- 50mm deep x 20mm wide anulus SikaSeal® - 623 Fire Sealant
- First service support 400mm from both faces of the substrate

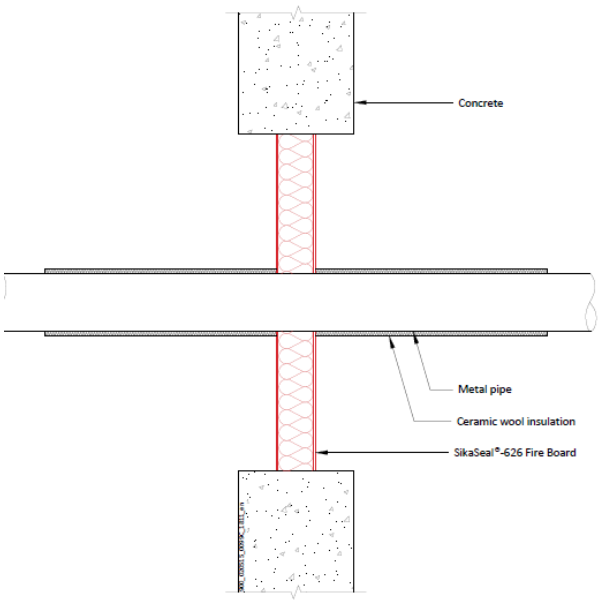


Service(s)	Classification
500mm perforated cable tray	**EI30**
Electrical cables up to 21mm ø	**EI45**
1 off 'C1' Cable	
1 off 'C2' Cable	
1 off 'C3' Cable	

A3.1.2 Metallic Pipe Penetrations

Construction details:

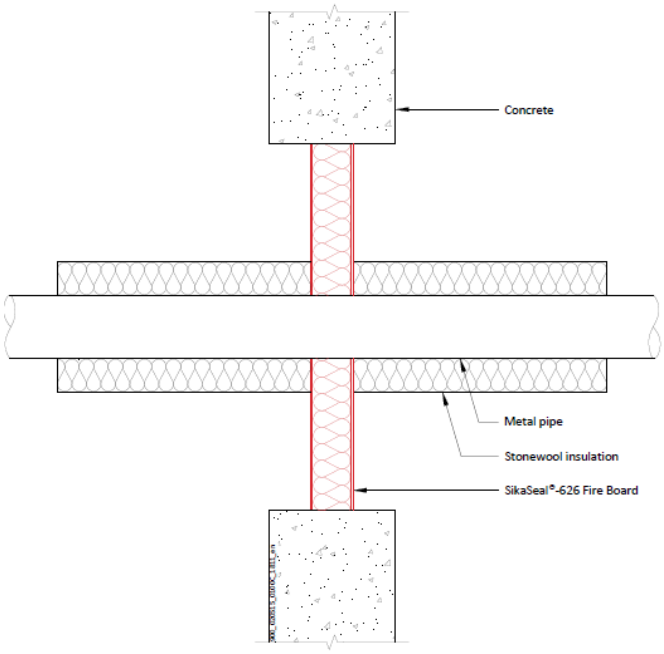
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 600mm wide x 600mm high
- Metallic pipes wrapped with a single layer of 6mm thick Thermal Defense Wrap (L/I 300mm)
- First service support 250mm from both faces of the substrate



Service(s)	Classification
Steel or Copper Pipe 108mm Ø, 1.5mm – 14.2mm Wall Thickness. (C/S) 40mm stone wool insulation (min 140Kg/m^3)	**E60 C/U** **EI45 C/U**

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 730mm wide x 1100mm high
- First service support 400mm from both faces of the substrate

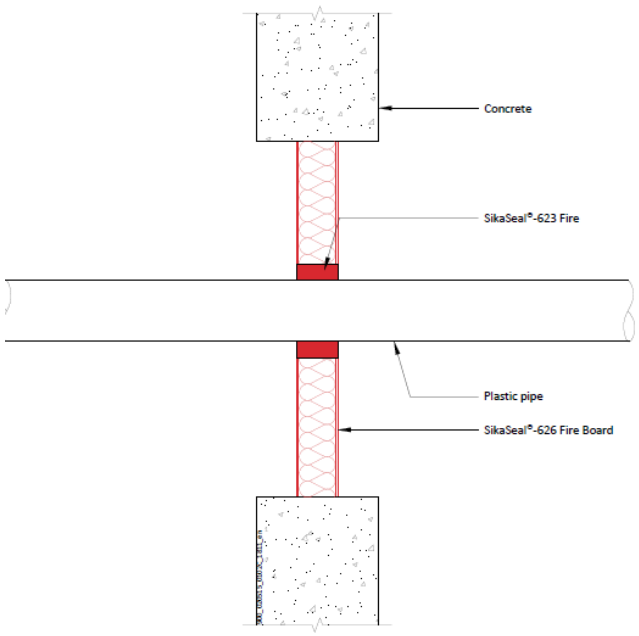


Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**EI45 C/U**
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**E45 C/U** **EI15 C/U**

A3.1.3 Plastic Pipe Penetrations

Construction details:

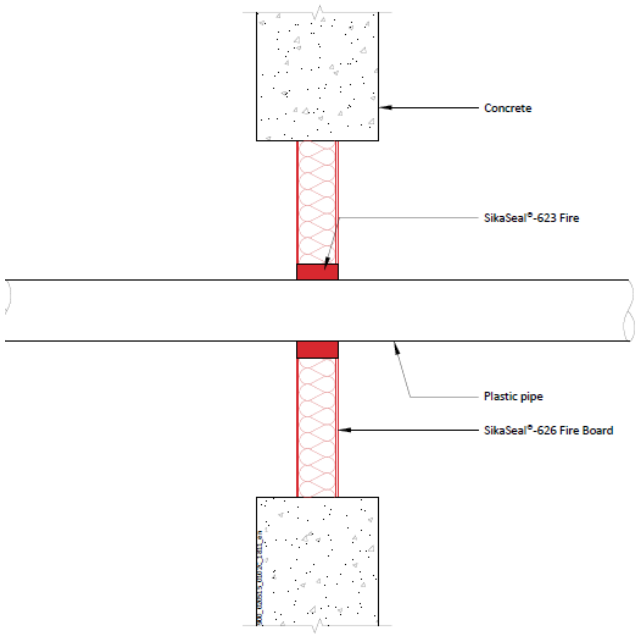
- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus full 50mm depth of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



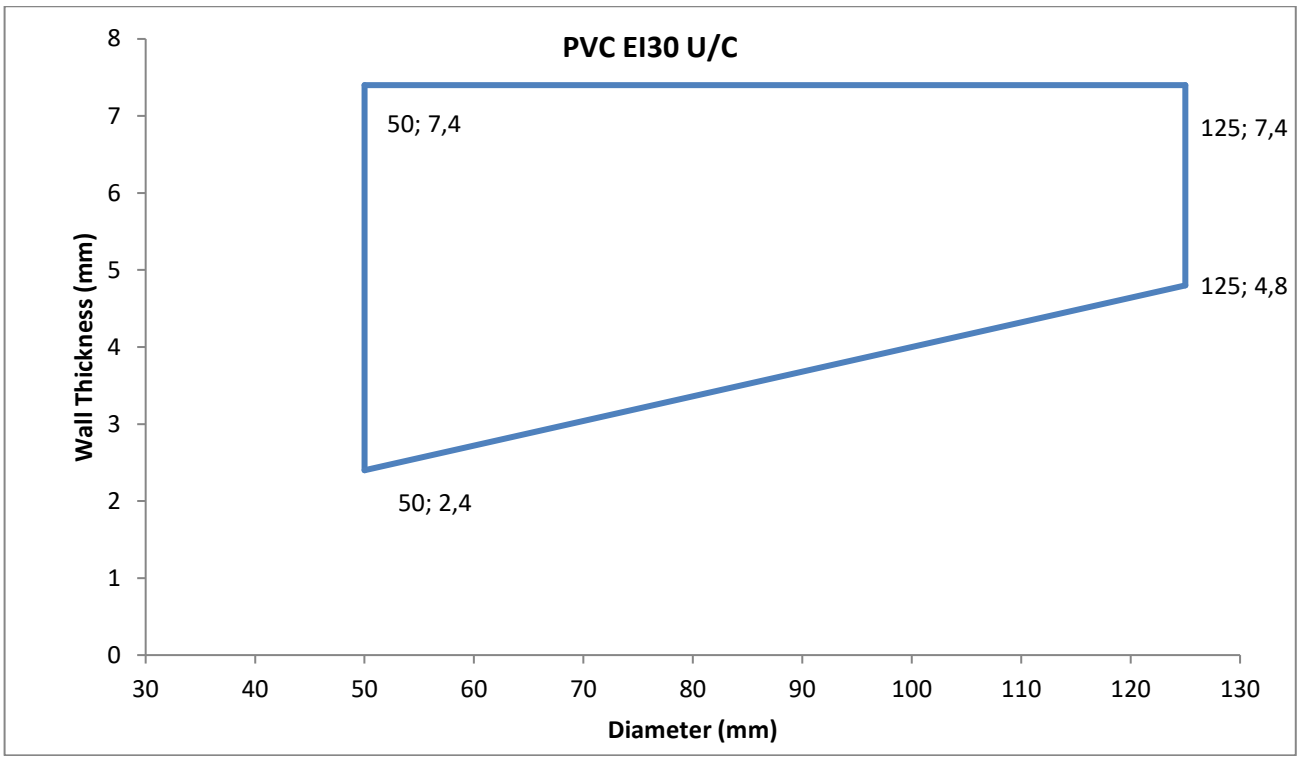
Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	**E45 U/C** **EI30 U/C**
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

Construction details:

- Single layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus full 50mm depth of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate



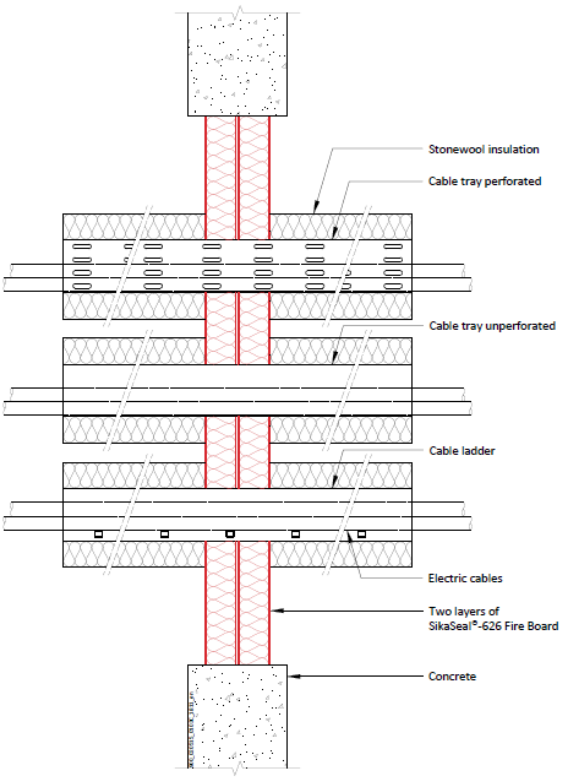
Penetration Specification	Classification
PVC Pipe 50mm ø 2.4-7.4mm wall thickness	**EI45 U/C**
Also scope as per graphs below	


PVC EI30 U/C
Wall Thickness (mm)
Diameter (mm)
50; 7,4
125; 7,4
125; 4,8
50; 2,4
0
1
2
3
4
5
6
7
8
30
40
50
60
70
80
90
100
110
120
130

A3.2 Double Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal
A3.2.1 Cable Penetrations

Construction details:

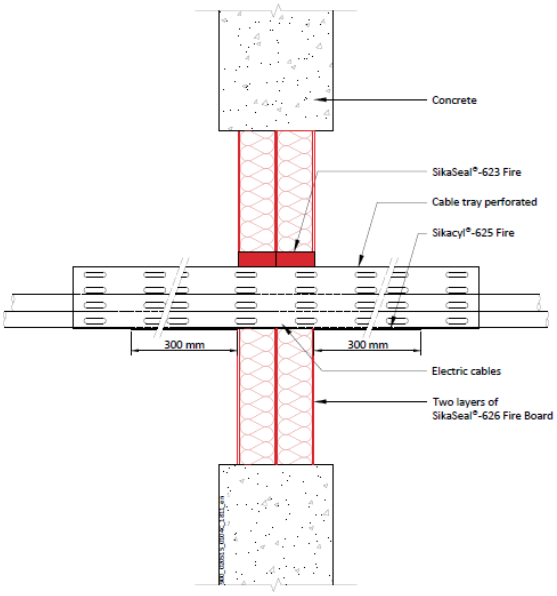
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m3 (L/l 200mm)
- First service support 400mm from both faces of the substrate



Service(s)	Classification
Electrical cables up to 21mm dia	**EI 120**
Electrical cables 22mm – 80mm dia	**E120, EI90**
Cable Trays and Ladders	**EI 120**
100 mm diameter bundle telecommunication cable type “F”	**EI 120**
Unsheathed electrical cables up to 24mm dia	**EI 120**

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1200mm high
- Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m3 (L/l 200mm)
- SikaSeal® - 623 Fire 20mm annulus full 50mm depth of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

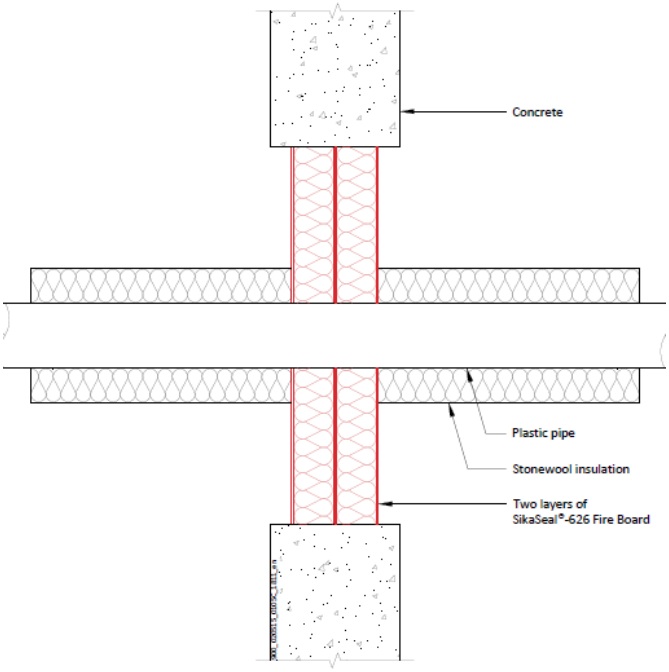


Penetration Specification	Classification
500mm perforated cable tray	**EI120**
Electrical cables up to 21mm ø	
1 off 'C1' Cable	
1 off 'C2' Cable	**E120** **EI90**
1 off 'C3' Cable	**EI120**

A3.2.2 Metallic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with 40mm stone wool insulation (min 40Kg/m^3) (L/I 300mm)
- First service support 400mm from both faces of the substrate

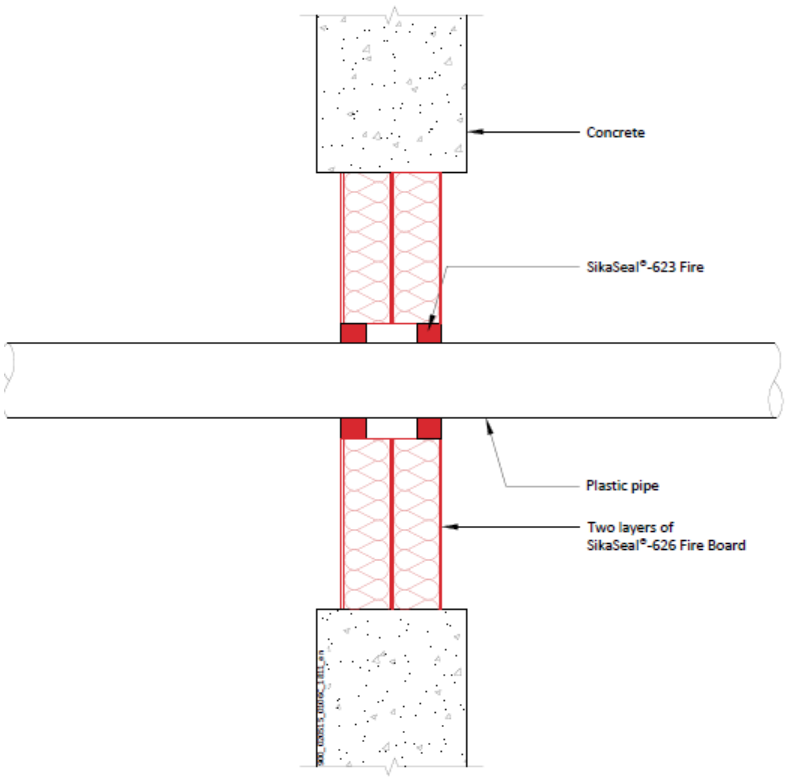


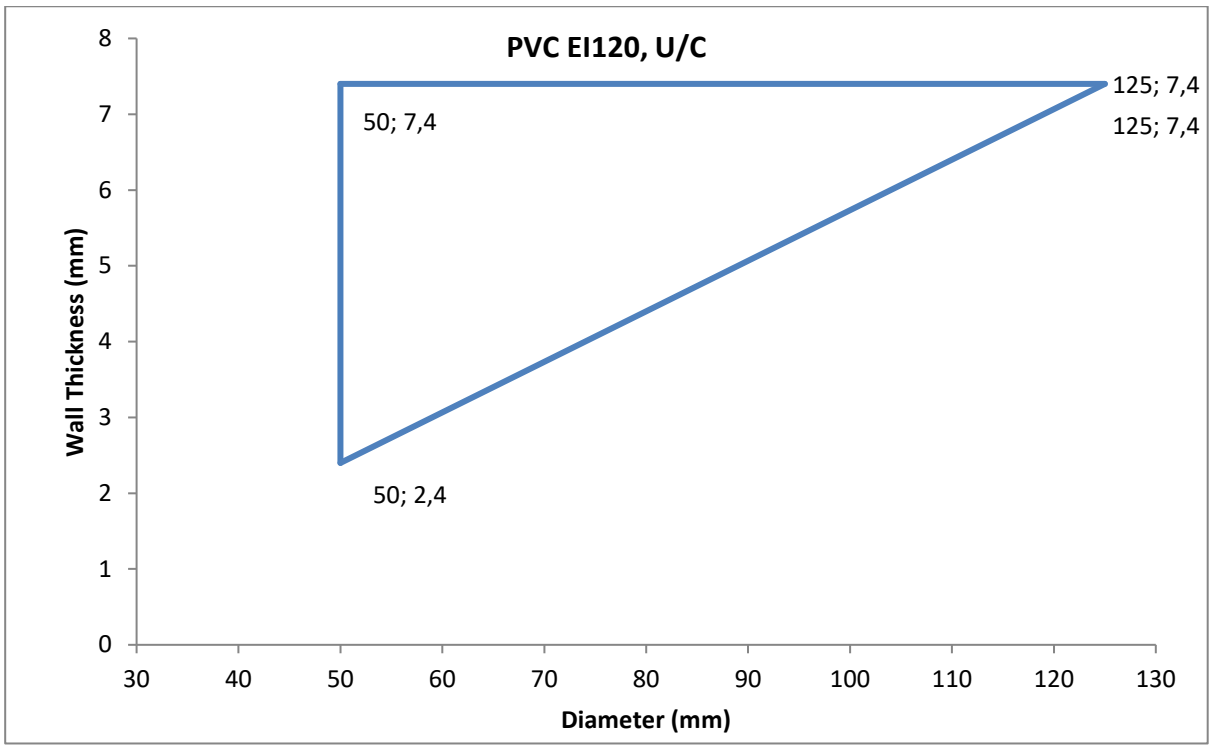
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**E120 C/U** **EI60 C/U**
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness. (L/I 300mm) 40mm stone wool insulation (min 40Kg/m^3)	**E120 C/U** **EI30 C/U**

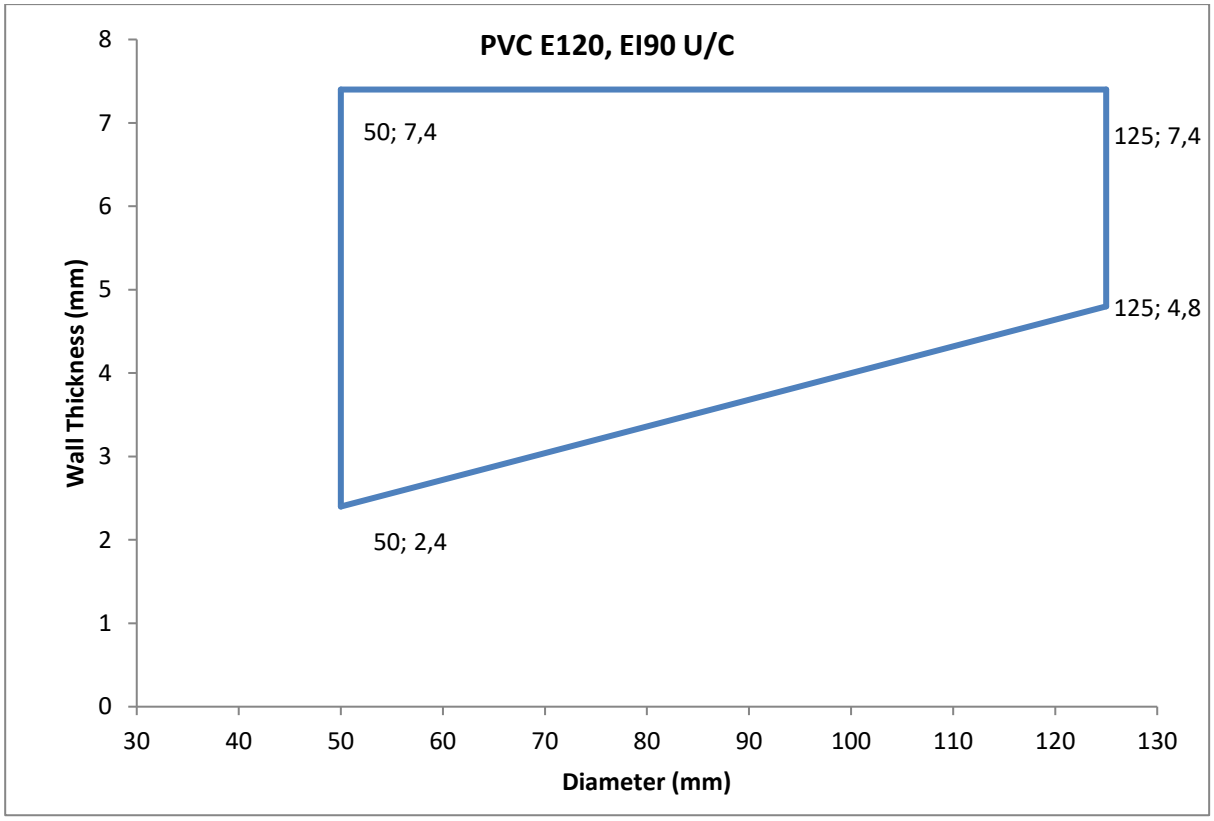
A3.2.3 Plastic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

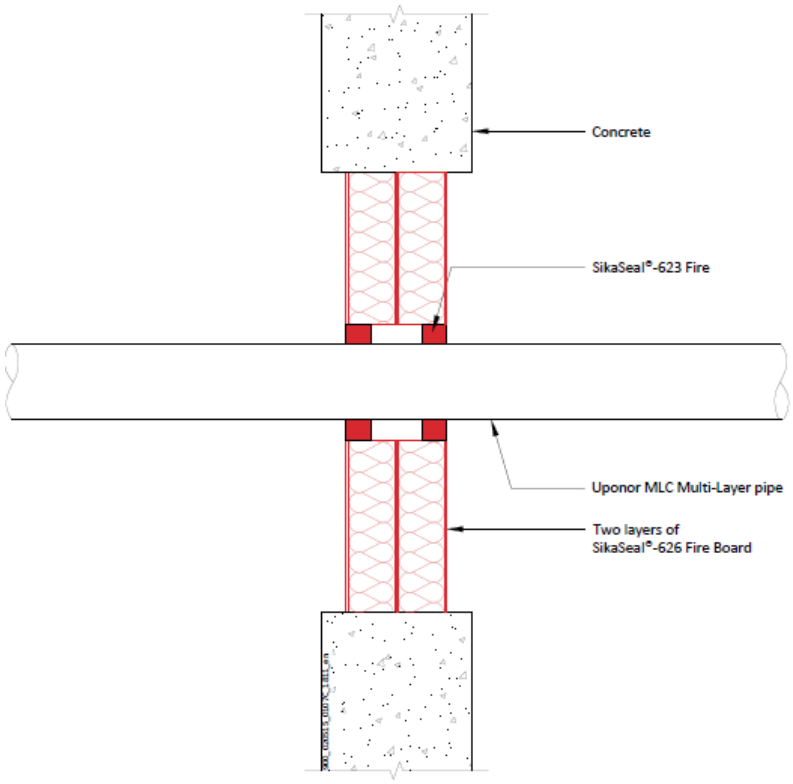



PVC EI120, U/C
Wall Thickness (mm)
Diameter (mm)
50; 7,4
125; 7,4
125; 7,4
50; 2,4
0
1
2
3
4
5
6
7
8
30
40
50
60
70
80
90
100
110
120
130


PVC E120, EI90 U/C
Wall Thickness (mm)
Diameter (mm)
50; 7,4
125; 7,4
125; 4,8
50; 2,4
0
1
2
3
4
5
6
7
8
30
40
50
60
70
80
90
100
110
120
130

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

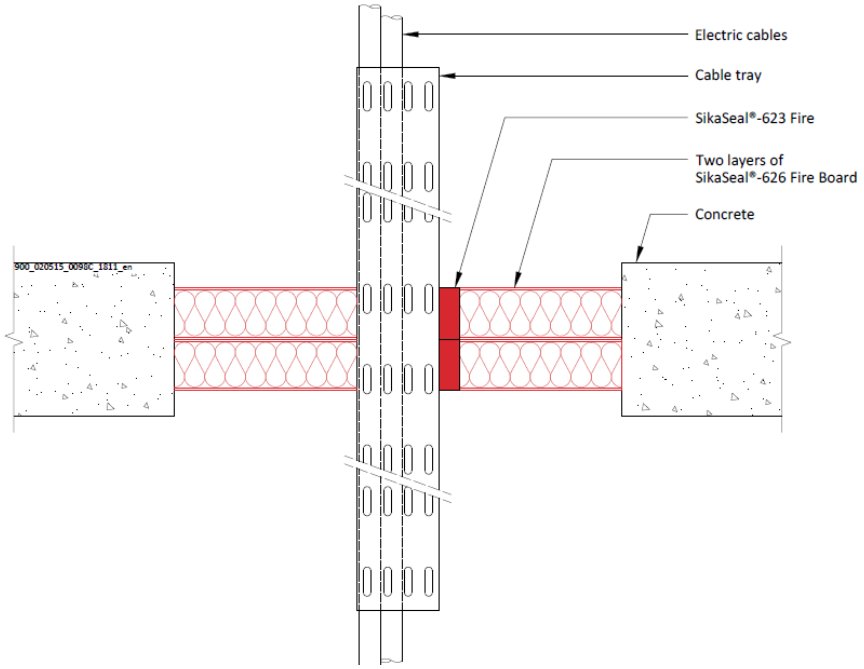


Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	**EI120 U/C**
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

A3 SikaSeal® - 626 Fire Board Penetration Seal in Rigid Floors min. 150 mm thick
A3.1 Double Layer (50mm) SikaSeal® - 626 Fire Board Penetration Seal
A3.1.1 Cable Penetrations

Construction details:

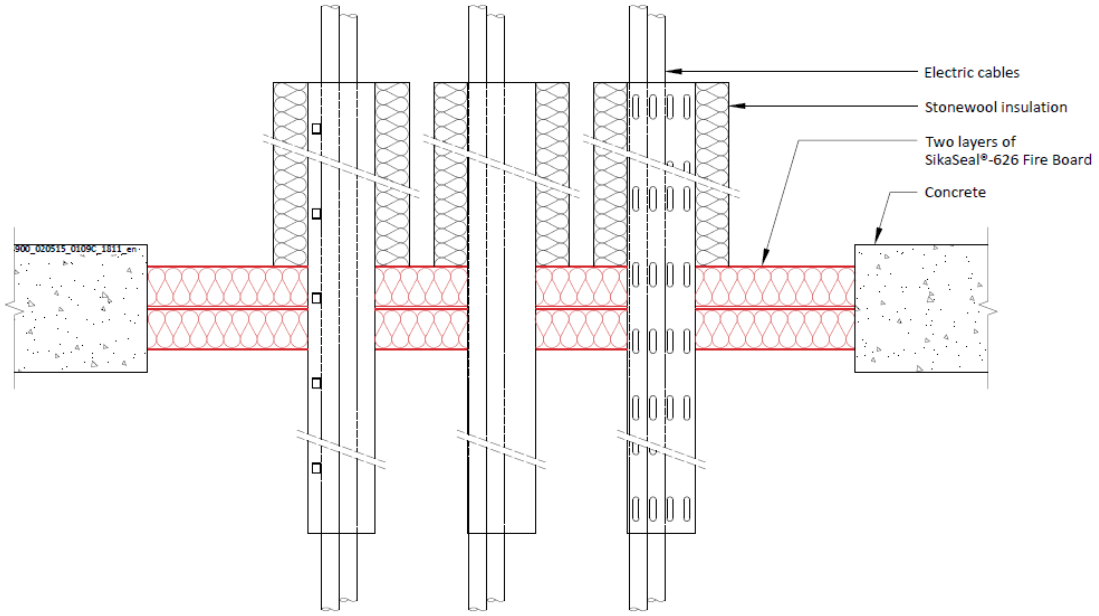
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 700mm wide x 1100mm high
- All cables coated with 2mm DFT PST Coating 300mm along the cables upper side of the seal
- SikaSeal® - 623 Fire 20mm annulus full 25mm depth both sides of the floor
- First service support 400mm from both faces of the substrate



Penetration Specification	Classification
500mm perforated cable tray	EI60
Electrical cables up to 21mm ø	
1 off 'C1' Cable	
1 off 'C2' Cable	
1 off 'C3' Cable	

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with a single layer of 40mm thick stonewool, min 40kg/m3 (L/I 300mm)
- First service support 400mm from both faces of the substrate

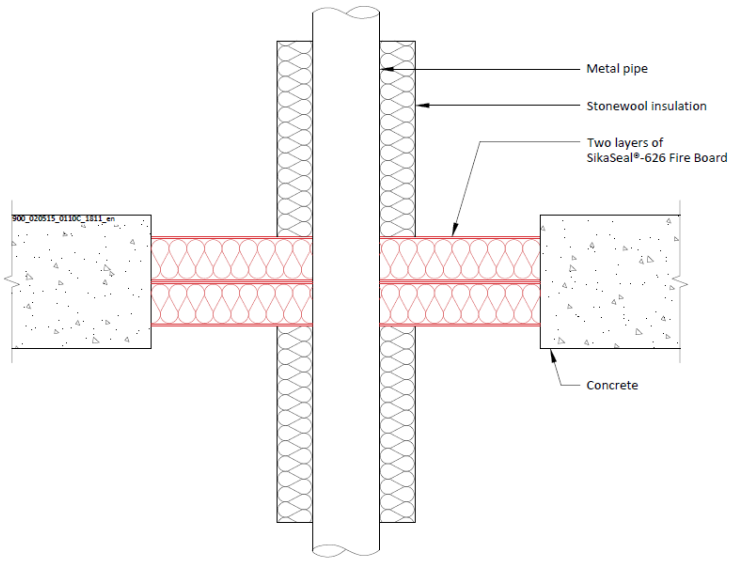


Service(s)	Classification
Electrical cables upto 80mm dia	EI60
Cable Trays and Ladders	
100 mm diameter bundle telecommunication cable type “F”	
Unsheathed electrical cables up to 17mm dia	
Unsheathed electrical cables 18-24mm dia	
Steel or Copper Conduits up to 16mm	
Plastic conduits up to 16mm	

A3.1.2 Metallic Pipe Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with 40mm stone wool insulation (min 40Kg/m^3) (L/I 300mm)
- First service support 400mm from both faces of the substrate

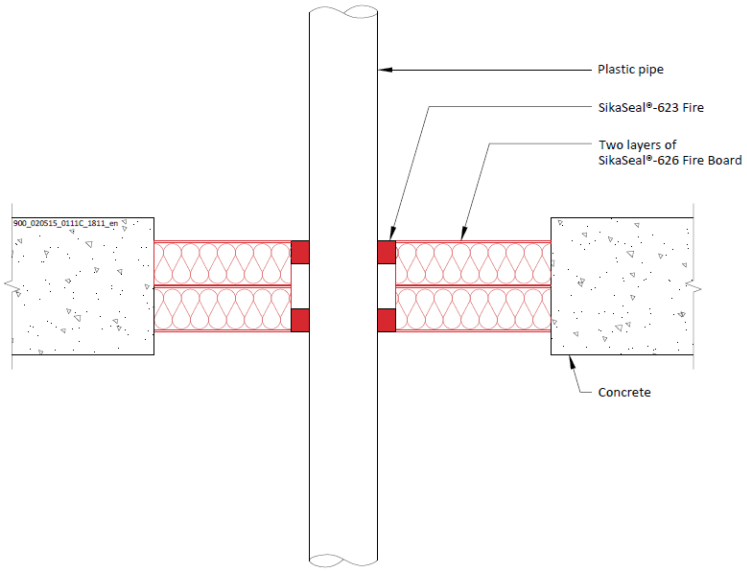


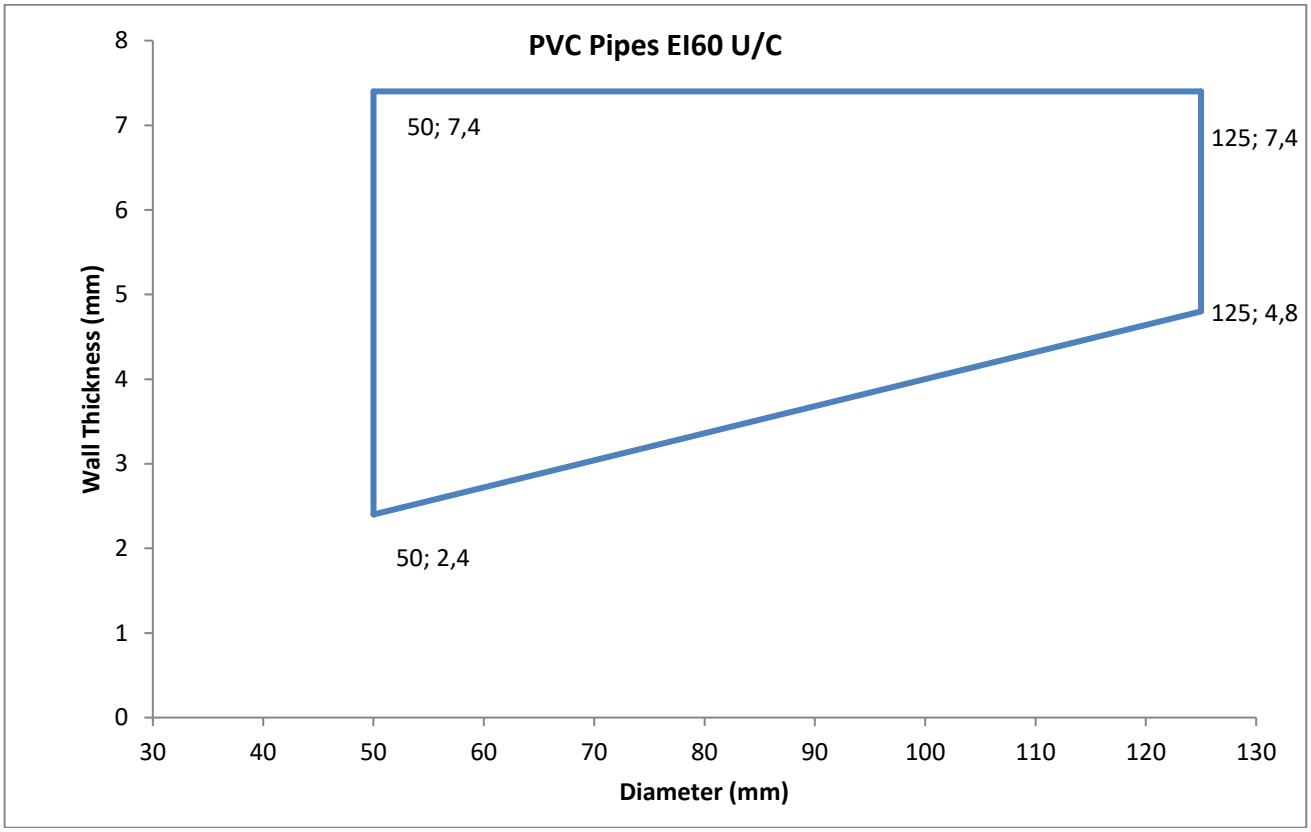
Service(s)	Classification
Steel or Copper Pipe 42mm Ø, 1.2mm – 14.2mm wall thickness.	**EI120 C/U**
Steel or Copper Pipe 42mm – 159mm Ø, 2mm – 14.2mm wall thickness.	**E120 C/U** **EI30 C/U**

A3.1.3 Plastic Pipe Penetrations

Construction details:

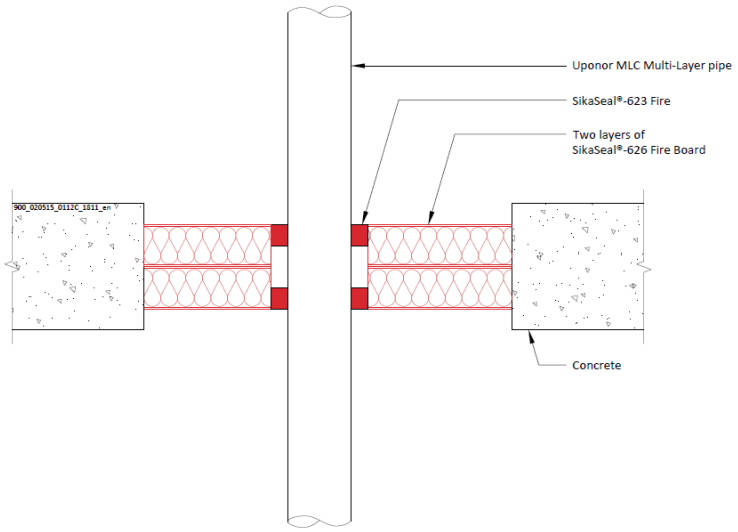
- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate





Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the floor.
- Max. Aperture size 750mm wide x 1100mm high
- SikaSeal® - 623 Fire 20mm annulus, 25mm deep both faces of the SikaSeal® - 626 Fire Board
- First service support 400mm from both faces of the substrate

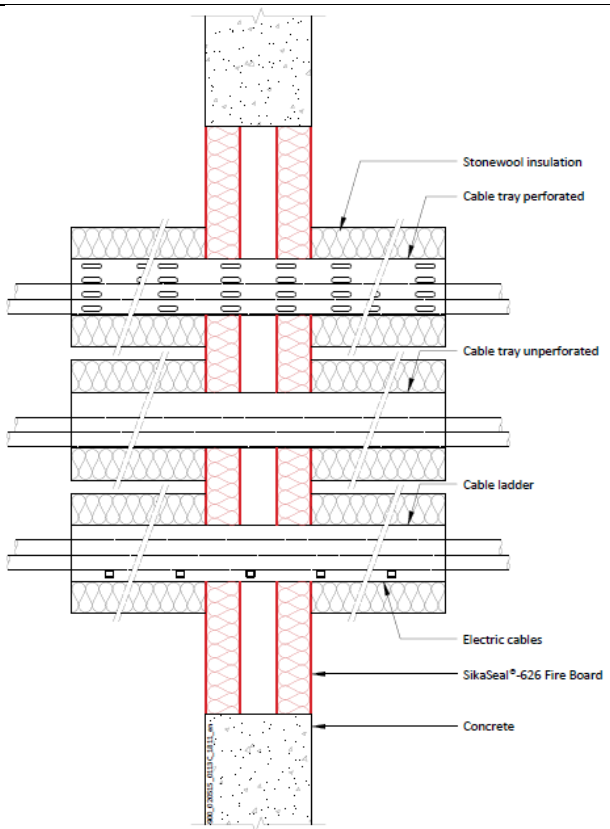


Penetration Specification	Classification
Uponor MLC (Multi-Layer Composite) Pipe 40mm ø 4mm wall thickness	EI60 U/C
Uponor MLC (Multi-Layer Composite) Pipe 50mm ø 4.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 63mm ø 6mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 75mm ø 7.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 90mm ø 8.5mm wall thickness	
Uponor MLC (Multi-Layer Composite) Pipe 110mm ø 10mm wall thickness	

A3 SikaSeal® - 626 Fire Board Penetration Seal in Rigid Walls min. 150 mm thick
A3.1 Double Layer (60mm) SikaSeal® - 626 Fire Board Penetration Seal
A3.1.1 Cable Penetrations

Construction details:

- Double layer of SikaSeal® - 626 Fire Board (50mm) installed internally within the wall.
- Max. Aperture size 700mm wide x 1100mm high
- Cables and cable trays wrapped with Stone Wool Insulation 45mm thick, 40Kg/m3 (L/I 200mm)
- First service support 400mm from both faces of the substrate



Service(s)	Classification
Electrical cables up to 21mm dia	**EI 120**
Electrical cables 22mm – 80mm dia	**E120** **EI90**
Cable Trays and Ladders	**EI 120**
100 mm diameter bundle telecommunication cable type “F”	**EI 120**
Unsheathed electrical cables up to 24mm dia	**EI 120**

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CE MARKING TO BE PLACED ON THE LABEL

CE
19
Sika Services AG, Zurich, Switzerland
55479509
EAD 350454-00-1104:2017
1121, 2812
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.

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