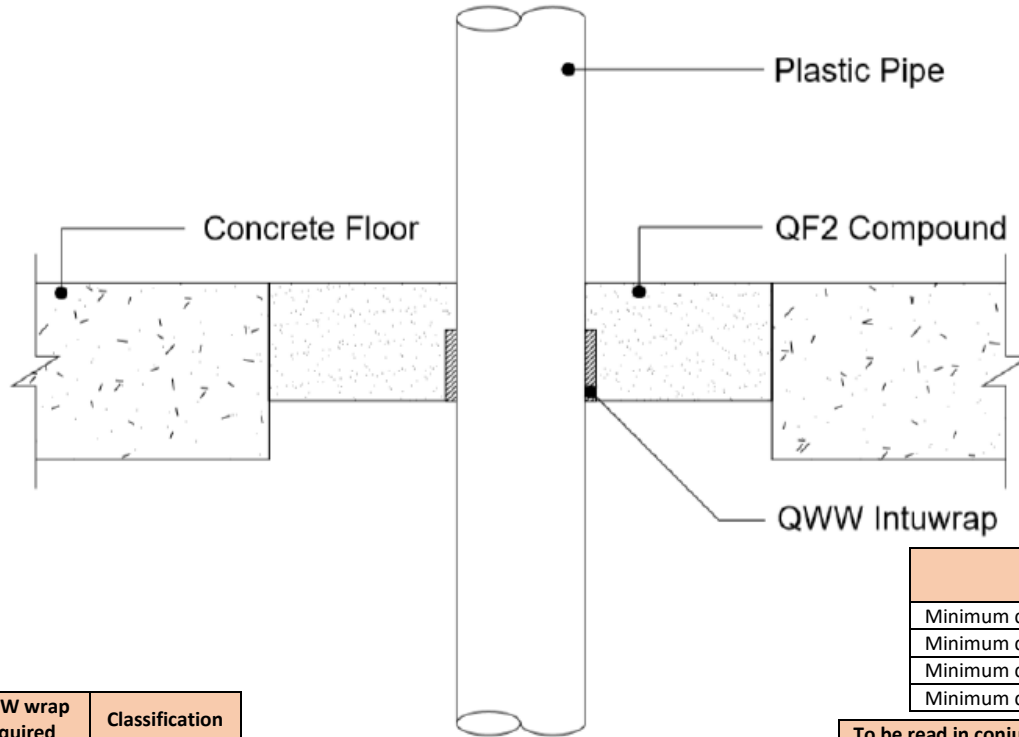


QF2-CF150-08

Plastic Pipe penetrating a rigid floor (150mm or thicker)

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Additional Instructions
The floor must have a minimum thickness of 150mm and comprise of concrete, or aerated concrete, with a minimum density of 650kg/m ³ .
Install the correct size QWW Intuwrap around the plastic pipe to the lower side of the seal.
Multiple Service Penetrations: The total amount of cross section area of the services (including insulation) should not exceed 60% of the service penetration area.



Quelfire Products Required	
Product Code	Description
QF2	QF2 Fire Protection Compound
QWW??/CE	Fire wrap for plastic pipes. refer to table below
MW/SLAB	Mineral Wool (MW) Shuttering Slab

Plastic Pipe Type	Page No.
U-PVC	1
HDPE	2
PP	3

Service Type	Size of Services	Pipe Wall Thickness	QWW wrap required	Classification
U-PVC Pipe	Ø32mm	2.4 - 3.7mm	QWW32/CE	EI 120 U/C
	Ø40mm		QWW40/CE	
	Ø50mm	3.2 – 4.2mm	QWW50/CE	
	Ø55mm		QWW55/CE	
	Ø63mm		QWW63/CE	
	Ø75mm		QWW75/CE	
	Ø82mm	4.2 – 6.6mm	QWW82/CE	
	Ø90mm		QWW90/CE	
	Ø110mm		QWW110/CE	
	Ø125mm	6.2mm	QWW125/CE	
Ø160mm	QWW160/CE			

Multiple Service Penetration Spacing	
Distances are from edge of fire stop seal	
Minimum distance from edge of opening	0mm
Minimum distance between services within the table below ≤Ø110mm	30mm
Minimum distance between services within the table below >Ø110mm	50mm
Minimum distance between other service types	50mm

To be read in conjunction with:	UL Classification Report 4790096347 Issue 4, Page 29
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	150mm
QF2 Fire Protection Compound minimum thickness:	100mm
First service support:	≤400mm
Maximum aperture size:	1600mm x 1100mm**
** Refer to page 14 of the QF2 classification report for other aperture sizes	
Drawing Scale:	Not to Scale
Issue Number:	5
Date of Issue:	June 2023
Detail Reference:	QF2-CF150-08

Important Information:

- The supporting construction must be installed in accordance with the manufacturer's guidelines and must be capable of achieving the required fire rating of the firestop.
- All services should be adequately supported on both sides of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

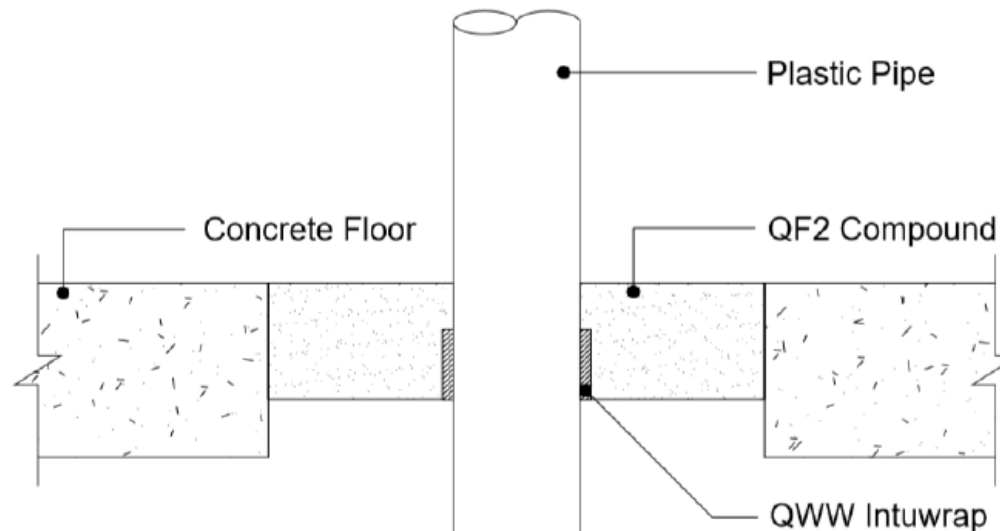
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QF2-CF150-08

Plastic Pipe penetrating a rigid floor (150mm or thicker)

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Install the correct size QWW Intuwrap around the plastic pipe to the lower side of the seal.
Multiple Service Penetrations: The total amount of cross section area of the services (including insulation) should not exceed 60% of the service penetration area.



Quelfire Products Required	
Product Code	Description
QF2	QF2 Fire Protection Compound
QWW??/CE	Fire wrap for plastic pipes. refer to table below
MW/SLAB	Mineral Wool (MW) Shuttering Slab

Plastic Pipe Type	Page No.
U-PVC	1
HDPE	2
PP	3

Service Type	Size of Services	Pipe Wall Thickness	QWW wrap required	Classification
PE, PE-X, ABS, SAN-PVC* Pipe	Ø32mm	3.0 – 4.6mm	QWW32/CE	EI 120 U/C
	Ø40mm		QWW40/CE	
	Ø50mm	3.4 – 6.6mm	QWW50/CE	
	Ø55mm		QWW55/CE	
	Ø63mm		QWW63/CE	
	Ø75mm		QWW75/CE	
	Ø82mm	3.4 – 6.6mm	QWW82/CE	
	Ø90mm		QWW90/CE	
	Ø110mm		QWW110/CE	
	Ø125mm	9.5mm	QWW125/CE	
Ø160mm	QWW160/CE		EI 60 U/C	

* PE in accordance with EN1519-1, EN1266-1, EN 12201-2 and EN ISO 15494, PE-X in accordance with EN ISO 15875-2, ABS in accordance with EN 1455-1 and EN ISO 15493 as well as SAN+PVC in accordance with ISO 19220

Multiple Service Penetration Spacing	
Distances are from edge of fire stop seal	
Minimum distance from edge of opening	0mm
Minimum distance between services within the table below ≤Ø110mm	30mm
Minimum distance between services within the table below >Ø110mm	50mm
Minimum distance between other service types	50mm

To be read in conjunction with:	UL Classification Report 4790096347 Issue 4, Pages 29 & 30
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	150mm
QF2 Fire Protection Compound minimum thickness:	100mm
First service support:	≤400mm
Maximum aperture size:	1600mm x 1100mm**
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Drawing Scale:	Not to Scale
Issue Number:	5
Date of Issue:	June 2023
Detail Reference:	QF2-CF150-08

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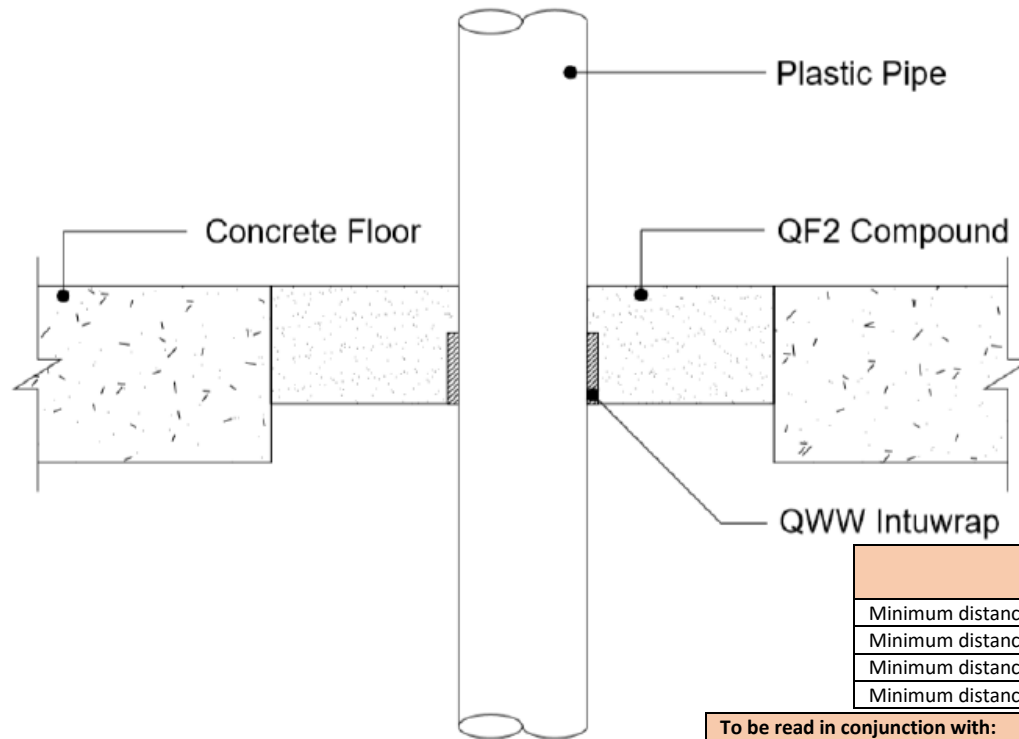
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QF2-CF150-08

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Multiple Service Penetration Spacing	
Distances are from edge of fire stop seal	
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Service Type	Size of Services	Pipe Wall Thickness	QWW wrap required	Classification
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	Ø50mm		QWW50/CE	
	Ø55mm	5.3 – 10.0mm	QWW55/CE	
	Ø63mm		QWW63/CE	
	Ø75mm		QWW75/CE	
	Ø82mm	10.0mm	QWW82/CE	
	Ø90mm		QWW90/CE	
Ø110mm	QWW110/CE			

To be read in conjunction with:	UL Classification Report 4790096347 Issue 4, Pages 29 & 30
Test standard:	BS EN1366-3 & EN13501-2:2016
Substrate minimum thickness:	150mm
QF2 Fire Protection Compound minimum thickness:	100mm
First service support:	≤400mm
Maximum aperture size:	1600mm x 1100mm**
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Drawing Scale:	Not to Scale
Issue Number:	5
Date of Issue:	June 2023
Detail Reference:	QF2-CF150-08

Important Information:

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