

QWW-PD75-01

Plastic Pipe penetrating a Profiled Deck

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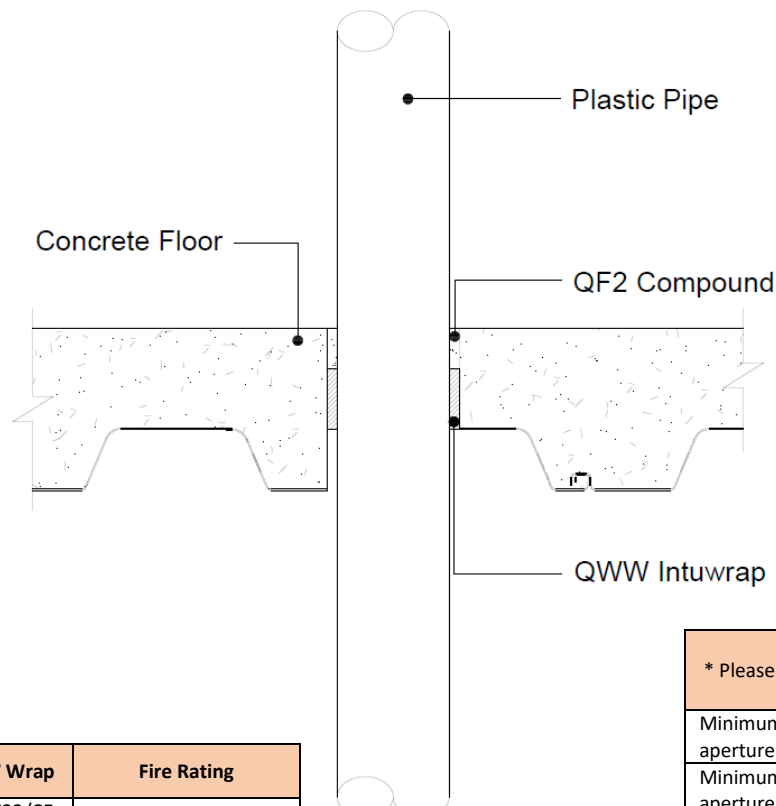
Additional Instructions

WF Assessment 409933 covers a minimum 75mm thickness of the profiled deck structure.

Install the correct size QWW Intuwrap around the plastic pipe to the lower side of the seal, ensuring all sides of the wrap are within the concrete structure.

Backfill with a minimum 15mm thickness of QF2 Fire Protection Compound.

BS EN 1366-3:2021 Section 13.7: The distance between the aperture edges of penetration seals in a building element shall be as tested or minimum 100mm. The distance between the aperture edge of a penetration seal and any other penetration (e.g., door) in a building element shall be minimum 200mm.



Quelfire Products Required	
Product Code	Description
QF2	QF2 Fire Compound
QWW32/CE	32mm pipes
QWW40/CE	40mm pipes
QWW50/CE	50mm pipes
QWW55/CE	55mm pipes
QWW63/CE	63mm pipes
QWW75/CE	75mm pipes
QWW82/CE	82mm pipes
QWW90/CE	90mm pipes
QWW110/CE	110mm pipes

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

Service Type	Size of Service	Pipe Wall Thickness	Recommend Hole Dia.	QWW Wrap	Fire Rating
U-PVC	Ø32mm	See Graph on ETA 20/1205, Pages 11 - 12	Ø40mm	QWW32/CE	120 minutes Integrity 90 minutes Insulation
	Ø40mm		Ø50mm	QWW40/CE	
	Ø50mm		Ø60mm	QWW50/CE	
	Ø55mm	See Graph on ETA 20/1205, Pages 11 - 12	Ø74mm	QWW55/CE	
	Ø63mm		Ø82mm	QWW63/CE	
	Ø75mm		Ø94mm	QWW75/CE	
	Ø82mm		Ø102mm	QWW82/CE	
	Ø90mm		Ø110mm	QWW90/CE	
	Ø110mm	4.2 - 6.6mm	Ø132mm	QWW110/CE	

Spacing as per BS EN 1366-3: 2021, Section 13.7

* Please also consider any requirements that the floor manufacturer has with regards to spacing between openings.

Minimum distance from edge of opening to another aperture with a service penetration tested to BS EN 1366-3	100mm*
Minimum distance from edge of opening to another aperture with a penetration <u>not</u> tested to BS EN 1366-3	200mm*

To be read in conjunction with:	WF Assessment 409933
Test standard:	Assessed to BS 476: Part 20: 1987
Substrate minimum thickness:	75mm (thinnest part of the structure)
First service support:	≤250mm
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	January 2023
Detail Reference:	QWW-PD75-01

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 either side of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

- Any Information provided by or on behalf of Quelfire Limited is provided for general information only. It is not intended to amount to advice on which you should rely. You must obtain professional or specialist advice before taking, or refraining from, any recommendation or action.
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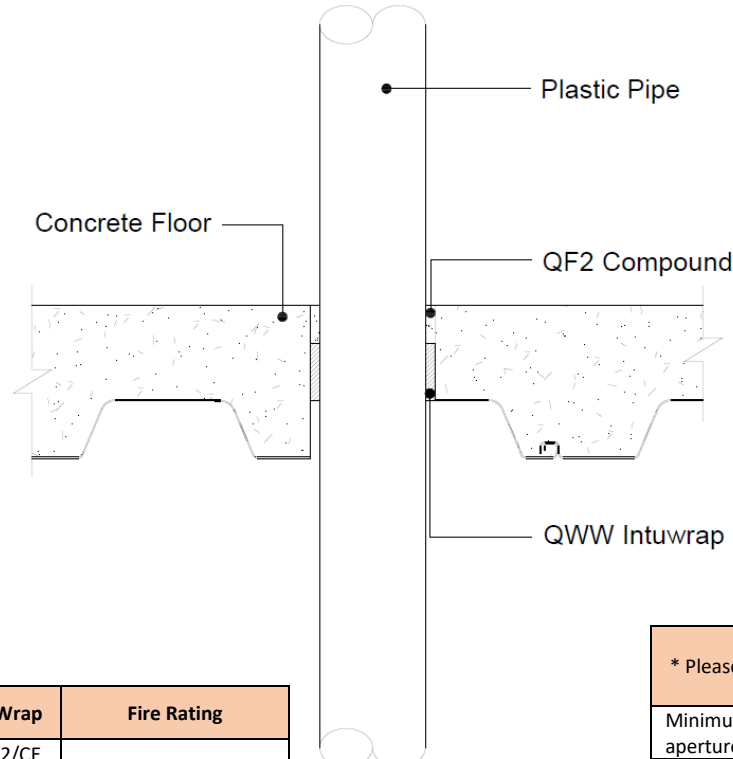
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Backfill with a minimum 15mm thickness of QF2 Fire Protection Compound.

BS EN 1366-3:2021 Section 13.7: The distance between the aperture edges of penetration seals in a building element shall be as tested or minimum 100mm. The distance between the aperture edge of a penetration seal and any other penetration (e.g., door) in a building element shall be minimum 200mm.



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Service Type	Size of Service	Pipe Wall Thickness	Recommend Hole Dia.	QWW Wrap	Fire Rating
PE, PE-X, ABS, SAN-PVC** Pipe	Ø32mm	See Graph on ETA 20/1205, Pages 12 - 13	Ø40mm	QWW32/CE	120 minutes Integrity 90 minutes Insulation
	Ø40mm		Ø50mm	QWW40/CE	
	Ø50mm		3.0 – 4.6mm	Ø60mm	
	Ø55mm	See Graph on ETA 20/1205, Pages 12 - 13	Ø74mm	QWW55/CE	
	Ø63mm		Ø82mm	QWW63/CE	
	Ø75mm		Ø94mm	QWW75/CE	
	Ø82mm		Ø102mm	QWW82/CE	
	Ø90mm		Ø110mm	QWW90/CE	
	Ø110mm		3.4 - 6.6mm	Ø132mm	

*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

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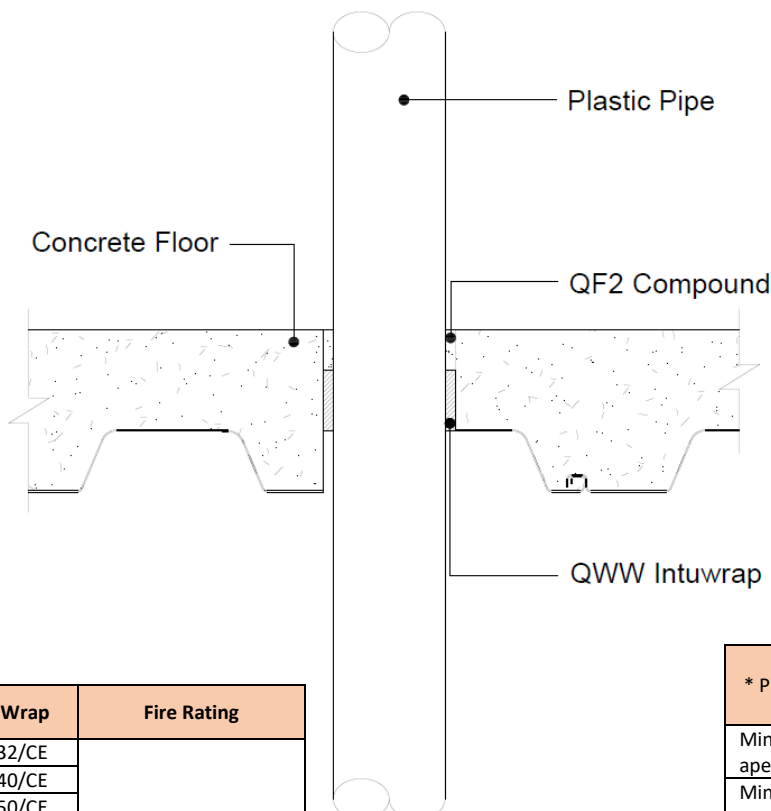
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	Ø63mm		Ø82mm	QWW63/CE	
	Ø75mm		Ø94mm	QWW75/CE	
	Ø82mm		Ø102mm	QWW82/CE	
	Ø90mm		Ø110mm	QWW90/CE	
	Ø110mm	2.7 – 10.0mm	Ø132mm	QWW110/CE	

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