

QB-HC150-D-06

Plastic pipe penetrating a hollow core floor (150mm or thicker)

This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.

Additional Instructions

The floor must have a minimum thickness of 150mm and comprise of a hollow core floor, with a minimum density of 2450kg/m³.

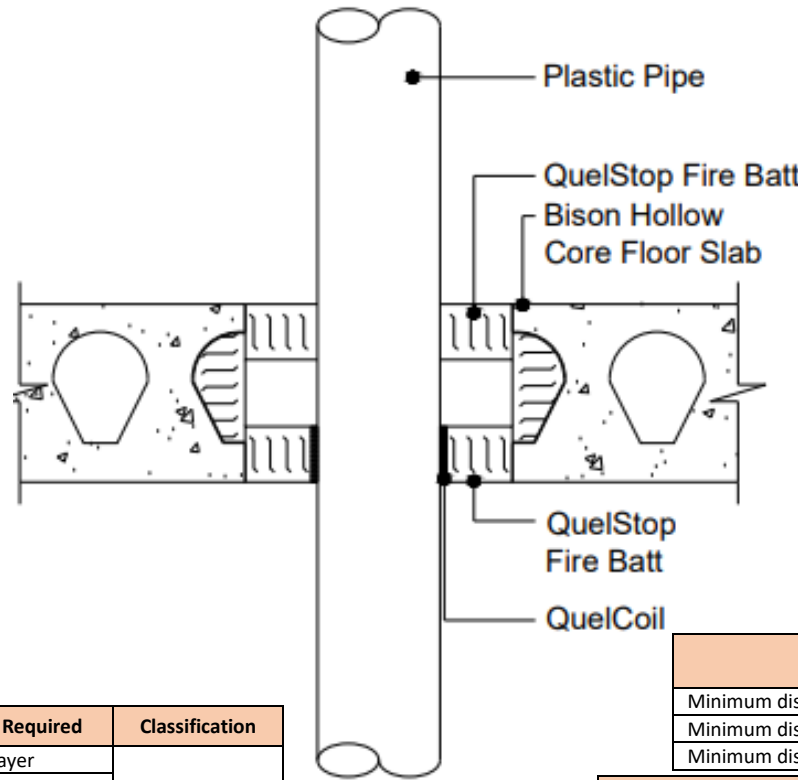
Follow the installation steps referenced in the [QuelStop Fire Batt installation guidance](#) document.

Insert ≥25mm thick section of QuelStop Fire Batt with the edges 'battered' and sealed with QuelStop Intumescent Acrylic Sealant to fill the voids within the hollow core slab around the perimeter of the aperture.

Single layer of QuelStop Fire Batt & QuelStop Acrylic Sealant installed flush with the underside of the slab.

Single layer of QuelStop Fire Batt & QuelStop Acrylic Sealant installed flush with the topside of the slab.

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
QB50D	QuelStop Fire Batt
QUELCOIL	QuelCoil Continuous Intuwrap
QSS310	QuelStop Intumescent Acrylic Sealant
QSC5KG	QuelStop Ablative Coating 5kg tub

Service Type	Size of Services	Pipe Wall Thickness	QuelCoil Layers Required	Classification
U-PVC	≤Ø50mm	2.4mm	1 x 2mm Layer	EI 90 U/C
	Ø51 - Ø75mm	2.5 – 4.2mm	2 x 2mm Layers	
	Ø76 - Ø110mm	4.2 – 6.6mm	3 x 2mm Layers	
PE, PE-X, ABS, SAN-PVC* Pipe	≤Ø50mm	3.0mm	1 x 2mm Layer	
	Ø51 - Ø75mm	3.1 – 5.9mm	2 x 2mm Layers	
	Ø76 - Ø110mm	3.4 - 10.0mm	3 x 2mm Layers	
PP	≤Ø50mm	2.0mm	1 x 2mm Layer	
	Ø51 - Ø75mm	2.1 – 5.3mm	2 x 2mm Layers	
	Ø76 - Ø110mm	2.7 - 10.0mm	3 x 2mm Layers	

*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 shown	0mm
Minimum distance between other Service types	100mm

To be read in conjunction with:	UL Classification Report 4790517197 Issue 3 , Pages 319 & 321
Test & Classification standard:	BS EN1366-3 & EN13501-2
Substrate minimum thickness:	150mm
First Service Support:	≤400mm
Maximum Aperture:	400mm wide x 400mm long
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	September 2023
Detail Reference:	QB-HC150-D-06

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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