

QC-CF150-08

Empty QuelCast penetrating a rigid floor (150mm or thicker)

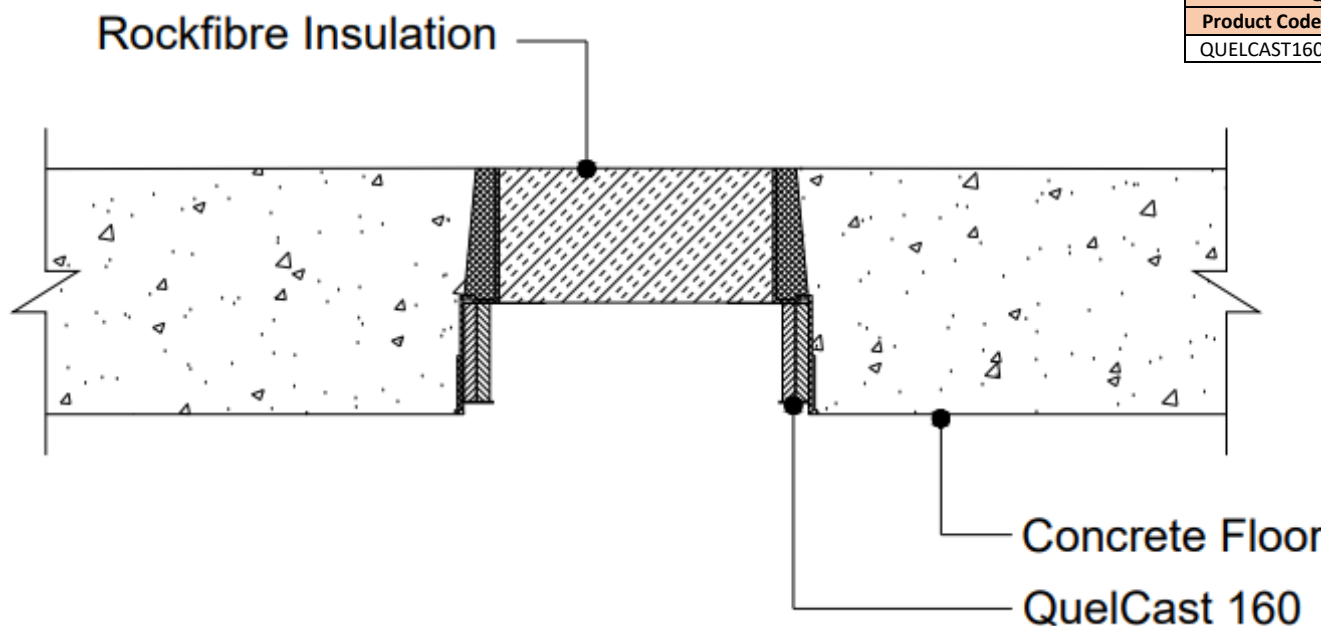


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Additional Instructions

The floor must have a minimum thickness of 150mm and comprise of concrete or aerated concrete, with a minimum density of 670kg/m³.

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
QUELCAST160	Cast In Fire Collar

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*

Service Type	Insulation	QuelCast Required	Fire Rating
Empty QuelCast	45kg/m ³ Rock Fibre Insulation packed within the Cast In Fire Collar above the rubber smoke seal up to the top of the floor slab.	QUELCAST160	180 minutes Integrity U/C 120 minutes Insulation U/C

To be read in conjunction with:	WF 510323 Specimen D
Test standard:	BS EN1366-3
Substrate minimum thickness:	150mm
Drawing Scale:	Not to Scale
Issue Number:	1
Date of Issue:	January 2023
Detail Reference:	QC-CF150-08

Important Information:

1. 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.
2. All Services should be adequately supported either side of the firestop to ensure that no load is transferred onto the firestop seal.

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