

QWR-RW75-01

Plastic Pipe penetrating a rigid wall (75mm or thicker)

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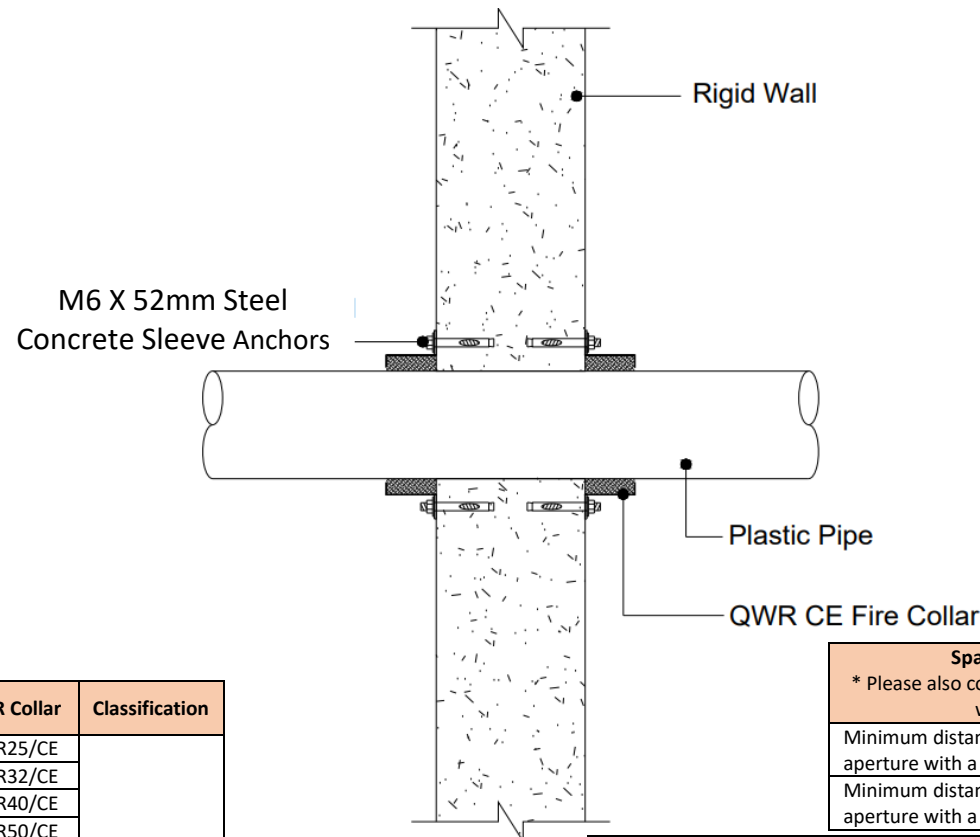
Additional Instructions

The wall must have a minimum thickness of 75mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 670kg/m³.

The QWR Fire Collar is secured using M6 X 52mm steel concrete sleeve anchors through all lugs.

Test results obtained with flexible supporting walls may be applied to concrete or masonry elements of an overall thickness equal to or greater than that of the element used in the test.

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 |
| QWR??/CE | Fire Collar for plastic pipes. refer to table below |
| QSS310 | QuelStop Acrylic Sealant |
| Plastic Pipe Type | Page No. |
| U-PVC | 1 |
| HDPE | 2 |
| PP | 3 |

| Service Type | Size of Service | Pipe Wall Thickness | Recommend Hole Dia. | QWR Collar | Classification |
|--------------|-----------------|---------------------|---------------------|------------|-----------------------|
| U-PVC | Ø25mm | 1.9 - 3.4mm | Ø27mm | QWR25/CE | E 60 U/C EI 30 U/C |
| | Ø32mm | | Ø34mm | QWR32/CE | |
| | Ø40mm | | Ø42mm | QWR40/CE | |
| | Ø50mm | 2.4 - 4.1mm | Ø52mm | QWR50/CE | |
| | Ø55mm | | Ø57mm | QWR55/CE | |
| | Ø63mm | | Ø65mm | QWR63/CE | |
| | Ø75mm | 4.2 - 6.7mm | Ø77mm | QWR75/CE | |
| | Ø82mm | | Ø84mm | QWR82/CE | |
| | Ø90mm | | Ø92mm | QWR90/CE | |
| | Ø110mm | | Ø112mm | QWR110/CE | |
| | Ø125mm | 4.8 - 8.0mm | Ø132mm | QWR125/CE | |
| | Ø160mm | 6.2 - 11.1mm | Ø162mm | QWR160/CE | |

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

* Please also consider any requirements that the wall 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* |

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| To be read in conjunction with: | QWR WF Classification report 360281/ A Issue 5, Pages 65 – 66* |
| Test standard: | BS EN1366-3 & EN13501-2:2016 |
| Substrate minimum thickness: | 75mm |
| First service support: | ≤400mm |
| Drawing Scale: | Not to Scale |
| Issue Number: | 3 |
| Date of Issue: | January 2023 |
| Detail Reference: | QWR-RW75-01 |

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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- We do not accept a duty of care to you or any other person in respect of the enquiry, nor do we accept any liability to you or any other person for any loss arising out of or in connection with the enquiry or any reply provided by us. Different limitations and exclusions of liability arising as a result of the supply of any products or services by us to you, and these will be set out in our terms and conditions of supply, a copy of which is available on request.
- Full terms and conditions of sale are available at <https://www.quelfire.co.uk/terms-conditions-of-sale/>

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Plastic Pipe penetrating a rigid wall (75mm or thicker)

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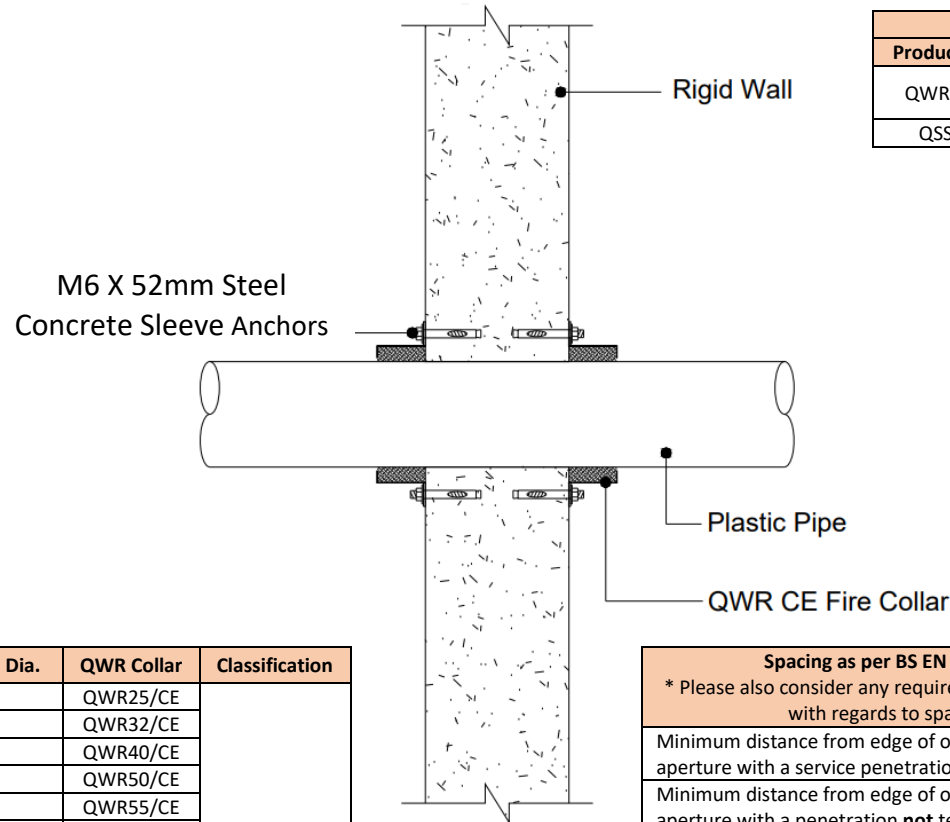
Additional Instructions

The wall must have a minimum thickness of 75mm and comprise of concrete, aerated concrete or masonry, with a minimum density of 670kg/m³.

The QWR Fire Collar is secured using M6 X 52mm Steel Concrete Sleeve anchors through all lugs.

Test results obtained with flexible supporting walls may be applied to concrete or masonry elements of an overall thickness equal to or greater than that of the element used in the test.

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 | |
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| Product Code | Description |
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| QSS310 | QuelStop Acrylic Sealant |
| Plastic Pipe Type | Page No. |
| U-PVC | 1 |
| HDPE | 2 |
| PP | 3 |

| Service Type | Size of Service | Pipe Wall Thickness | Recommend Hole Dia. | QWR Collar | Classification |
|-------------------------------|-----------------|---------------------|---------------------|------------|-----------------------|
| PE, PE-X, ABS, SAN-PVC** Pipe | Ø25mm | 2.4 - 4.0mm | Ø27mm | QWR25/CE | E 60 U/C EI 30 U/C |
| | Ø32mm | | Ø34mm | QWR32/CE | |
| | Ø40mm | | Ø42mm | QWR40/CE | |
| | Ø50mm | 2.6 - 3.9mm | Ø52mm | QWR50/CE | |
| | Ø55mm | | Ø57mm | QWR55/CE | |
| | Ø63mm | 3.4mm | Ø65mm | QWR63/CE | |
| | Ø75mm | | Ø77mm | QWR75/CE | |
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| | Ø90mm | | Ø92mm | QWR90/CE | |
| | Ø110mm | | Ø112mm | QWR110/CE | |
| | Ø125mm | 3.6 - 5.4mm | Ø132mm | QWR125/CE | |
| | Ø160mm | 4.0 - 10.0mm | Ø162mm | QWR160/CE | |

**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

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

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

| | |
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| 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* |

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| To be read in conjunction with: | QWR WF Classification report 360281/ A Issue 5, Pages 65 – 66* |
| Test standard: | BS EN1366-3 & EN13501-2:2016 |
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| First service support: | ≤400mm |
| Drawing Scale: | Not to Scale |
| Issue Number: | 3 |
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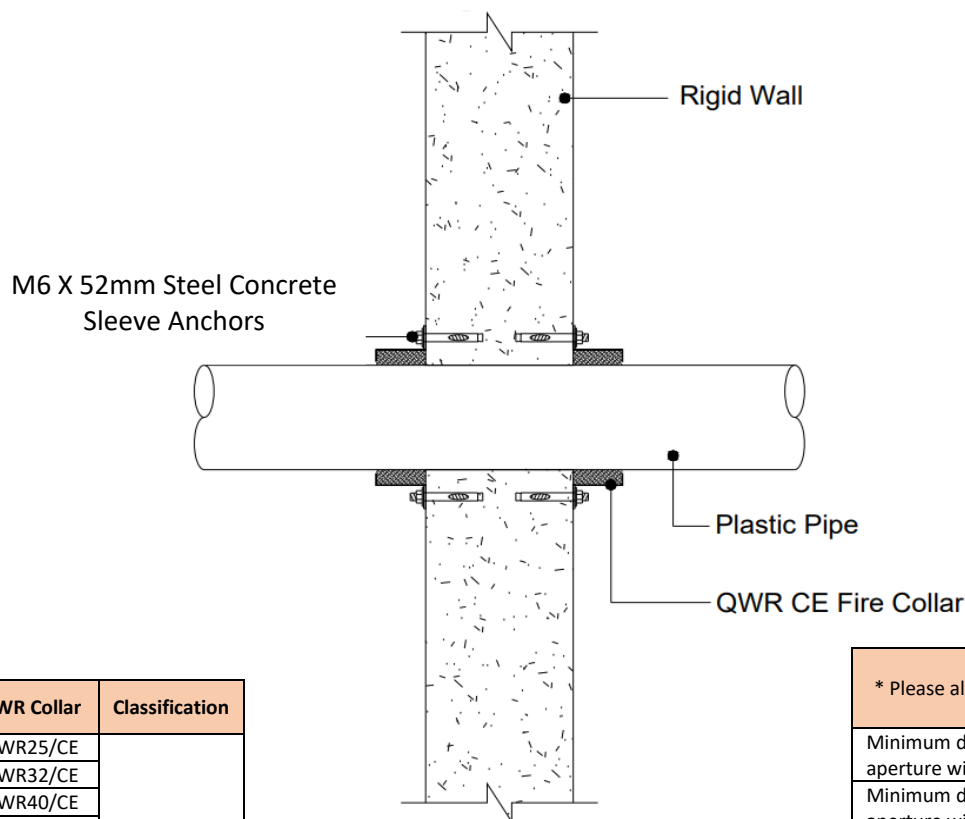
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| | Ø125mm | 3.1 - 10.7mm | Ø132mm | QWR125/CE | |
| | Ø160mm | 4.0 - 10.3mm | Ø162mm | QWR160/CE | |

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