

Quelfire QWX Large Diameter Fire Collars prevent the spread of fire through large diameter pipes where they penetrate fire compartment walls and floors.



QWX Large Diameter Fire Collar

FEATURES & BENEFITS

- ❏ Tested to BSEN 1366-3
- ❏ Suitable for concrete floors and blockwork walls
- ❏ Up to 4 hour fire rating
- ❏ Available for 200 - 400mm diameter pipes
- ❏ Can be retrofitted

COMPOSITION

The QWX Large Diameter Fire Collars consist of a continuous pressed stainless steel flexible shell containing high performance graphite based intumescent material which reacts under the influence of heat to exert pressure on the pipe as it softens to form a carbonaceous char which provides an effective insulation plug thus preventing smoke and fire passing through to the adjoining compartment. The QWX Fire Collar has built in fixing lugs which are used to secure it to the structure.

APPLICATION/INSTALLATION

QWX Large Diameter Fire Collars should be used where a large diameter plastic pipe penetrates a fire rated wall or floor.

For vertical pipework, one unit should be installed to the underside of the floor, and for the QWX350 and QWX400 one unit should be fitted on both sides of the concrete floor. Holes through the substrate should be drilled as close as possible to the diameter of the plastic pipe. For horizontal pipework one unit should be fitted to each side of the wall.

The soffit of the floor or the face of the wall must be smooth and where there are irregularities in the surface, the space between the flange of the unit and floor or the wall should be made good using QSS QuelStop CE Marked Intumescent Acrylic Sealant.

The QWX Large Diameter Fire Collar should be fed around the plastic pipe, securing the ends together by passing the tongues on one end through the slots on the other end. The tongues should then be bent back and the unit secured to the structure using the integral fixing lugs.

The QWX Fire Collar must be secured to concrete and masonry construction with M8 x 65mm steel sleeve anchors through all the fixing lugs.

PERFORMANCE

QWX Fire Collars are suitable for use on concrete floors and concrete/masonry walls with HDPE and U-PVC plastic pipes providing up to 4 hours integrity.

For full details and performance information refer to the installation details available from the Quelfire Technical department. A summary of results is as follows:

Product Code	Pipe Size (mm)	Recommended hole diameter (mm)	QWX length (mm)	No. of fixing lugs	Fire Rating (Walls)	Fire Rating (Floors)
QWX200	200Ø	202Ø	190	8	Up to 4 hours	Up to 3 hours
QWX225	225Ø	227Ø	190	8	Up to 4 hours	Up to 3 hours
QWX250	250Ø	252Ø	190	9	Up to 4 hours	Up to 3 hours
QWX315	315Ø	317Ø	190	11	Up to 3 hours	Up to 2 hours
QWX350	350Ø	352Ø	190	12	Up to 2 hours	Up to 3 hours*
QWX400	400Ø	402Ø	190	13	Up to 2 hours	Up to 3 hours*

*QWX350 and QWX400 achieve 3 hours, only when installed on both sides of the floor.

Technical Support & Guidance:

Should you require any further information regarding this product, please do not hesitate to contact the technical department at Quelfire Ltd.

Tel: **0161 928 7308**. Email: **technical@quelfire.co.uk**

Please be aware that this document is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines.

Use of alternative components or deviations from the instructions in any way is likely to mean that the installation will not comply with the assessed rating.

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