

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: 2009
- ❏ Suitable for concrete floors and blockwork walls
- ❏ Up to 4 hour fire rating
- ❏ Available for 200 - 400mm 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.

REGULATIONS

Building Regulations impose limitations on all pipes passing through fire compartment walls and floors. QWX Large Diameter Fire Collars allow plastic pipes to meet the requirements of the Building Regulations. QWX Large Diameter Fire Collars have been tested according to BSEN 1366-3: 2009 where pipe diameters of up to 400mm have met insulation and integrity criteria for this standard for up to four hours.

DURABILITY

QWX Large Diameter Fire Collars are expected to last the lifetime of the building.

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 units should be fitted on both sides of the concrete floor. 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 Large Diameter Fire Collar must be secured to concrete and masonry construction using steel sleeve anchors.

TECHNICAL SUPPORT & GUIDANCE

Should you require any further information regarding this product, please don't hesitate to contact Quelfire Ltd.

PERFORMANCE

Product Code	Pipe Size (mm)	Recommended hole diameter (mm)	QWX length (mm)	Fire Rating (Walls)	Fire Rating (Floors)
QWX200	200Ø	202Ø	190	4 hours	3 hours
QWX225	225Ø	227Ø	190	4 hours	3 hours
QWX250	250Ø	252Ø	190	4 hours	3 hours
QWX315	315Ø	317Ø	190	3 hours	2 hours
QWX350	350Ø	352Ø	190	2 hours	3 hours*
QWX400	400Ø	402Ø	190	2 hours	3 hours*

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

WARRANTY The Company warrants its products to be free from defects in material and workmanship for a period of 12 months from the date of delivery. The Company's obligation under this warranty is limited, as its option, to the repair or replacement, free of charge, or refund of the net Invoiced price of any part found to be defective, and which, in the Company's opinion, has not been subject to undue wear and tear, accident, alteration, abuse or misuse. Consequent damages are expressly disclaimed. Technical advice from Quelfire whether verbal, in writing or by way of trials, is given in good faith but without warranty. The application, use and installation of the Company's products are beyond the control of the Company, and the purchaser is solely responsible that goods are fit for any particular purpose. In line with the Company's policy of continual research and development, product specifications and availability are subject to change or withdrawal without prior notice.

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