

Quelfire QWW CE Marked Intuwrops prevent the spread of fire where plastic pipes penetrate fire compartment floors.



QWW CE Marked Intuwrop



QWW CE Marked Intuwrop installed in concrete slab

## FEATURES & BENEFITS

- Tested to BSEN 1366-3
- Classified according to EN 13501-2
- CE Marked
- Up to 4 hour fire rating
- Suitable for plastic pipes including but not limited to PVC, PVC-U, PE, HDPE, MDPE & PP
- Available for 32—160mm pipes
- For use in concrete floors
- No mechanical fixings required
- Performance unaffected by weathering (Type X Durability)
- Assessed for use in steel profile deck concrete composite floors
- Compatible with the QuelStop System – QF2 Fire Protection Compound

## DURABILITY

Tested to Type X durability which means the QWW CE Marked Intuwrops can be installed in conditions exposed to weathering.



The Warringtonfire Logo displayed is the trademark of Warringtonfire registered in the United Kingdom. The Warringtonfire Logo is evidence that the products denoted as 'Tested by Warringtonfire' were tested to BSEN 1366-3: 2009 in England between 22nd September 2015 and 9th December 2022.



This product is CE Marked.

## COMPOSITION

The QWW CE Marked Intuwrops consist of a high performance graphite based intumescent material within a polythene cover 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. QWW Intuwrops are manufactured specifically to suit individual pipe diameters. The correct product is chosen by determining the outside diameter of the pipe. A QWW110/CE suits a 110mm outside diameter plastic pipe and a QWW50/CE suits a 50mm outside diameter plastic pipe for example.

The orange plastic sleeve is an integral part of the QWW Intuwrop so should not be removed. QWW Intuwrops have a self adhesive tap on one end which is used to secure the wrap around the pipe.

## APPLICATION/INSTALLATION

The QWW CE Marked Intuwrap can be installed within concrete floors around plastic pipes to maintain the fire compartment. A lot of extra work and associated cost can be avoided by early coordination and good communication between all trades. For example where the correct diameter hole is diamond drilled, no shuttering will be required and installation is very simple requiring a simple backfill on top of the Intuwrap.

Where holes are incorrectly drilled oversized or larger square holes are left or formed then the hole will need shuttering and the whole penetration backfilling with QF2 Fire Protection Compound.

There must be no gap around the Intuwrap and the Intuwrap must be fitted flush with the underside of the concrete slab or fire seal.

Full installation details and step by step instructions are available to show the options.



QWW CE Marked Intuwrap installed in an oversized hole sealed with QF2 Fire Protection Compound in concrete slab



QWW CE Marked Intuwrap installed in a diamond drilled hole in concrete slab

## PERFORMANCE

QWW CE Marked Intuwaps are suitable for use in concrete floors with plastic pipes including HDPE, PVC and PP providing up to 4 hours integrity. They are also tested in QF2 Fire Protection Compound seals and assessed for use in steel profile/concrete composite decks providing up to 2 hours integrity. For full details and performance information, refer to the relevant standard installation details.

Product Code	Pipe Size mm	Approx. space needed around pipe to fit QWW (mm)	Recommended hole diameter (mm)	QWW Length (mm)
QWW32/CE	32Ø	5	42Ø	60
QWW40/CE	40Ø	5	50Ø	60
QWW50/CE	50Ø	5	60Ø	60
QWW55/CE	55Ø	10	74Ø	60
QWW63/CE	63Ø	10	82Ø	60
QWW75/CE	75Ø	10	94Ø	60
QWW82/CE	82Ø	10	102Ø	60
QWW90/CE	90Ø	10	110Ø	60
QWW110/CE	110Ø	12	132Ø	60
QWW125/CE	125Ø	15	155Ø	60
QWW160/CE	160Ø	22	204Ø	60

### 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](mailto: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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