

QuelCast Cast In Fire Collar | Cast In Device | CE Marked

QuelCast CE Marked Cast In Fire Collars prevent the spread of fire through plastic pipes and cables where they penetrate concrete floors.



Features & Benefits

- Up to 4 hour fire rating (EI240)
- Fire resistance testing to BS EN 1366-3:2009
- Suitable for PVC, PVC-U, PE, HDPE, MDPE, & PP pipes
- Available to suit 50mm, 110mm & 160mm pipes
- Performance unaffected by weathering (Type X Durability)
- Quick & simple installation
- Integrated moisture and smoke seal
- Strong lid to carry foot traffic and light access equipment
- No backfilling generally required
- Compact footprint allows for closer positioning of pipes

Regulations

Building Regulations impose limitations on all pipes and cables passing through fire compartment floors. QuelCast CE Marked Cast In Fire Collars allow plastic pipes and cables to meet the requirements of the Building Regulations. QuelCast CE Marked Cast In Fire Collars have been tested according to BSEN 1366-3: 2009 where pipe diameters of up to 160mm have met insulation and integrity criteria for this standard for up to four hours.

Composition

QuelCast CE Marked Fire Collars are constructed from a robust polypropylene material and contain a high performance intumescent material which reacts under the influence of heat. This will 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.

Standards & Approvals

Fire resistance testing to BS EN 1366-3:2009
EI60, EI120, EI180, EI240
Classified to EN 13501-2: 2007 + A1: 2009

Sample Specification

Install QuelCast CE Marked Cast In Fire Collars to provide up to 4 hours fire protection to maintain the fire rating of concrete floor slabs where plastic pipes and cables penetrate. Installation to be in accordance with manufacturer's instructions.

Technical Support & Guidance

Should you require any further information regarding this product, please don't hesitate to contact one of our specialists.

Application / installation

The QuelCast CE Marked Cast In Fire Collar has been designed at 250mm high to meet the requirements of most applications.

Simple installations steps:

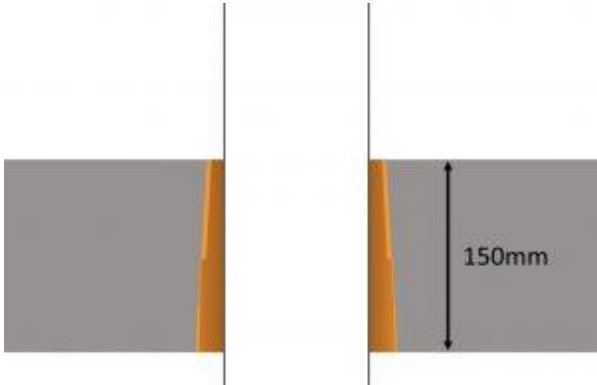
1. Mark the formwork with a cross where the pipe is to pass through the floor
2. Position the QuelCast CE Marked Cast In Fire Collar as required (the centre line marks on the QuelCast Collars and Manifold help to position in the correct location)
3. Attach to the formwork using screws or nails through the holes in the 4 corners of the unit
4. Pour the concrete to the required depth
5. On completion of concrete curing, remove all formwork and shuttering
6. Remove the cap from the top of the QuelCast Collar
7. Place the pipe through the QuelCast Collar

Additional instructions for QuelCast50:

For the QuelCast50 CE Marked Cast In Fire Collar, the space between the pipe and the outer casing of the QuelCast50 should be 'backfilled' with mineral wool from the rubber smoke seal to the top of the floor slab.

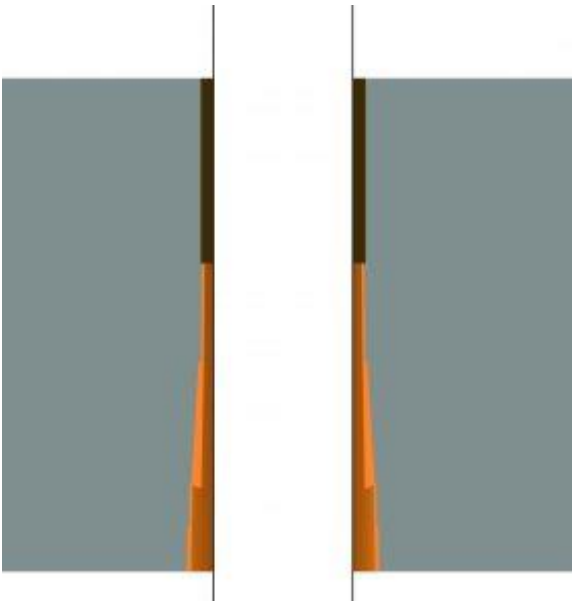
Applications where the floor slab depth is between 150 – 250mm

For applications where the floor slab depth is between 150 – 250mm cut the QuelCast CE Marked Fire Collar down to the required height and replace the cap.



Cross-section of QuelCast CE Marked Cast
In Fire Collar Cut to Suit a 150mm Floor
Slab

Applications where the floor slab depth is greater than 250mm
For applications where the floor slab depth is greater than 250mm we manufacture an extension tube to suit the depth of the concrete slab. Please contact us to discuss your project requirements.



Cross-section of QuelCast110 CE Marked
Cast In Fire Collar with and Extension Tube
to Suit a Thicker Floor Slab