



fischer FCID Cast-in System Solutions



fischer 

FIRE STOP



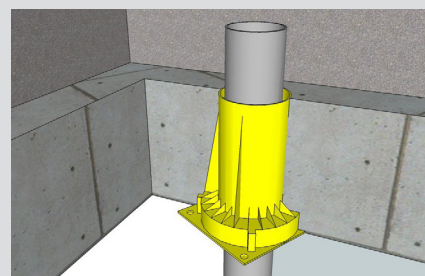
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innovative solutions

FCID Cast-in Device: Simple, efficient means of firestopping soil pipes



Suitable for:

- Reinforced cast concrete slabs
- Some prefabricated slab systems. (Subject to design considerations)



Concrete slab application with FCID

Constructed from resilient Polypropylene, the FCID outer casing has been designed to resist the loads exerted by wet concrete.

As part of this sealed unit, the integrated lid resists normal site foot traffic and cannot be dislodged - ensuring that water ingress is resisted, until pipework needs to be installed.

The base has a ring of graphite based intumescent which expands powerfully under fire conditions crushing melting pipework & closing any openings.

Designed for use mainly within 250mm thick slabs, FCID can be extended or shortened, utilising accessories such as Extension Sleeves & Cap Plugs. It also integrates with MRF Recess Former for applications requiring formed recesses.

Approvals & Standards

British Standard

BS 476-20

AS

1530: Part 4: 2005

fischer Cast-In Device has been tested with various uPVC and HDPE pipes achieving a fire resistance of up to 4 hours in accordance with

BS476.20:1987 & BS476.22:1987.

ADVANTAGES | fischer versus traditional methods



A. Traditional Methods

- Damage and delays due to water ingress
- Trip hazards from timber covers
- Working at height to remove formwork



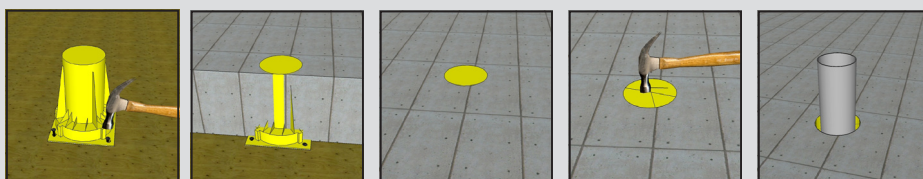
B. fischer Cast-In Device

- No water ingress
- Flush Fitting, no trip hazard
- Reduce working at heights

ADVANTAGES:

- Improved Health & Safety - Reduction in trip hazards and working at height
- One simple operation - Secured with 4 nails for speedy installation
- At least 40% reduction in total installed costs, compared with traditional methods
- High visibility colour assists with inspections and has benefits for Health & Safety
- Higher tolerances for less demanding setting out & positioning.
- Fully tested solution providing conformance & helps mitigating liability

Installation

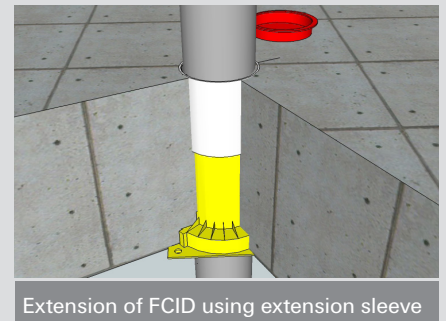


- Position Cast-In Device on formwork and nail into position through holes provided (do not skew nails). Pour concrete to required depth.
- After formwork has been stripped and pipe is ready for positioning, knock out cap from top of collar and insert pipe through collar.
- It is recommended that the device is backfilled with mineral wool or mortar after pipe is installed.
- Note: If pipe is pushed from top, rubber seal will be forced downwards. Lift pipe slightly to ensure that rubber seal projects upwards.



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FCID Extension Sleeve: Strong and resilient with waterproof coating inside and out.



The FCID can be extended or shortened using accessories such as Extension Sleeves & Cap. It also integrates with the MRF Recess Former for applications requiring formed recesses.

fischer FCID-E Extension Sleeves are manufactured from a fibreboard material which is coated with a water resistant membrane both inside & out. The manufacturing process produces a strong resilient sleeve, similar to those used to line out bored piles.

Function:



A. Placement

The FCID-E extension tube is in situ on the FCID unit and sealed with the FCID-C cover cap.



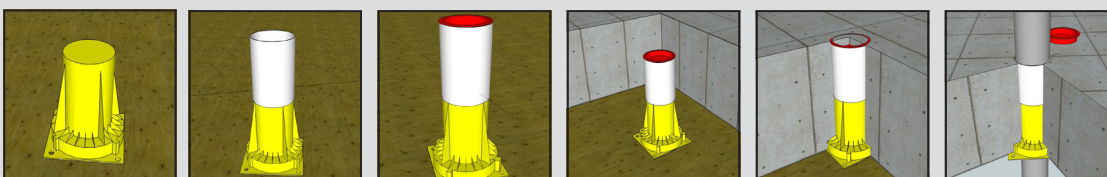
B. Finish / Cap Removal

The cap is filled with concrete for a flush finish. It is removed when the pipe is ready to be installed.

ADVANTAGES:

- Tested in concrete slabs up to 600mm depth.
- Easy to cut & fit with extension cap.
- Lightweight 1m lengths for ease of handling.
- Water resistant inner & outer coating.
- Economical & cost effective

Installation



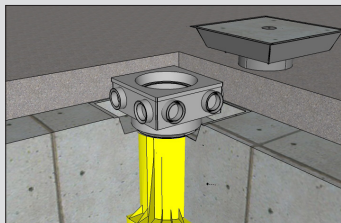
- Simply cut sleeve to size using a fine toothed saw and slide over FCID until stopped by tops of 'ribs' and seal with FCID-E/C.
- Pour concrete to required depth. Fill cap for flush finish and remove extension cap when pipe is ready to be installed.
- It is recommended that the device is backfilled with mineral wool or mortar after pipe is installed.
- NB : It is recommended that the recess in the Cap is filled with concrete during the pour to form a strong, flush installation.

MRF Manifold Recess Former: Dual purpose for problem applications

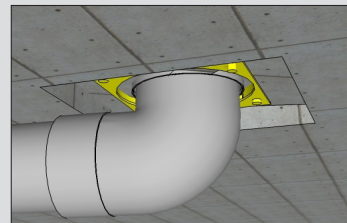


Suitable for:

- Cast concrete Slabs
- Screeds



FCID / FCID-MRF Combined



Application in concrete floor

The FCID-MRF is manufactured from polypropylene and created to form 250 x250x60mm recesses in concrete or screeds together with FCID. It offers a dual purpose solution for several problem applications:

It allows easier connection of pipes to soil manifold fitting, whilst ensuring the required fall is maintained.

Ideal for use within wet rooms, where gullies are set within the screed and it can be used to eliminate the need for plinths for shower tray installations

Used in reverse mode, the MRF can also create a recess to the underside of slab; allowing pipes to be aligned closer to underside of soffits, reducing the risk of snagging in basements & providing more space for other installations, such as ceilings.

ADVANTAGES:

- Simple to install, the fischer FCID retains water tightness whilst in place & easy to remove.
- Versatile - Dual purpose installation provides recess to top or underside of concrete slabs.
- Economical, sustainable solution - Made from recycled materials & can be reused if undamaged.
- Health & Safety - Provides a structural flush finish & is trafficable to even heavy plant. No heavy breaking out required either, so no HAV exposure.
- Advanced Design - The MRF has been designed around the new generation of soil manifold fittings, such as the Osma 4S 597 & takes their use to a new lower level!

Installations

1. Form recess in top of slab



2. Form recess in underside of slab



Associations:



OSMA

The fischer Manifold Recess Former is designed for use with Osma Soil Manifold Ref: 4S 597 as a means of accommodating the fitting within concrete slabs but is also suitable for use with other Modular Soil Manifold Fittings.

FCID FireStopping System

Product type /description	Art.- No	To suit	Key dimensions	Sales unit
FCID 65 Cast In Device	509532	Nom 3"/75mm Pipe	95mm OD x 250mm high - Base = 154 x 154mm	1
FCID 100 Cast In Device	506324	Nom 4"/110mm Pipe	140mm OD x 250mm high - Base = 198 x 198mm	1
FCID 150 Cast In Device	509533	Nom 6"/160mm Pipe	194mm OD x 250mm high - Base = 253 x 253mm	1
FCID 65-E /1000 Extension Sleeve	509791	FCID 65 CI Device	95mm ID x 101 mm OD x 1000mm long	1
FCID 100-E /1000 Extension Sleeve	509792	FCID100 CI Device	140mm ID x 47 mm OD x 1000mm long	1
FCID 150-E /1000 Extension Sleeve	509793	FCID150 CI Device	194mm ID x 201 mm OD x 1000mm long	1
FCID 65-E/C Extension Cap	511450	FCID 65-E/1000 Sleeve	93.48 - 96.52mm tapered OD x 19.5mm high	1
FCID 100-E/C Extension Cap	509794	FCID100-E/1000 Sleeve	138.94 - 142.75mm tapered OD x 25.4mm high	1
FCID 150-E/C Extension Cap	511451	FCID150-E/1000 Sleeve	194.57 - 199.14mm tapered OD x 25.4mm high	1
FCID-Manifold Recess Former	517846	FCID100 CI Device	250-220 x 250 - 220 x 60 tapered recess	1
FCID 65-CP Cap Plug	510878	FCID 65 Cast In Device	88.14-91.44 tapered OD x 19.5 high	1
FCID 100-CP Cap Plug	510879	FCID 100 Cast In Device	131.58-136.15 tapered OD x 25.4 high	1
FCID 150-CP Cap Plug	510880	FCID 150 Cast In Device	186.44-194.32 tapered OD x 25.4 high	1

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