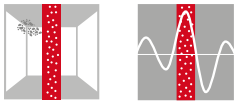
Firestop cast-in device CFS-CID

Applications

- Concrete slabs built with traditional formwork
- New building construction
- Sealing combustible and non-combustible pipe penetrations
- Tested with pipe elbows, which allows reduced service zone

Advantages

- One-step firestop solution for a variety of pipe materials and diameters – no additional backfilling required
- Modular connection allows close placement of multiple penetrations
- Quick and simple installation
- Integrated moisture and smoke seal
- Lid strong enough to carry foot traffic and light access equipment



Technical data

Base materials	Concrete
Approvals	EN 13501-2: 2007+A1:2009, EN 1366-3:2009
Height	250 mm
Application temperature range	-5 - 50 °C
Temperature resistance range	-20 - 100 °C
Colour	Red
Re-penetration	Easy
Reaction to fire class (EN 13501-1)	E

Ordering designation	Pipe diameter - range	Sales pack quantity	Item number
CFS-CID 50	40 - 63 mm	1 pc	**2124523**
CFS-CID 75	50 - 75 mm	1 pc	**2124524**
CFS-CID 110	80 - 110 m	1 pc	**2124525**
CFS-CID 160	125 - 160 mm	1 pc	**2124526**

Manifold adapter CFS-CID

Applications

- Creation of a 70 mm deep recess in the slab
- For use in conjunction with the appropriate cast-in device
- Creates an underside void for the installation of an elbow-connector system

Advantages

- Allows a manifold to be accommodated and thus simplifies plumbing installations
- Accommodates manifold connections and shower traps for walk-in showers and wet rooms
- Reduces final ceiling height by creating a 70 mm recess in the slab
- Pipes can be installed closer to the ceiling, thus reducing spacing

Technical data

Base materials	Concrete
Height	77 mm
Application temperature range	-5 - 50 °C
Colour	Red

Ordering designation	Sales pack quantity	Item number
CFS-CID Manifold adapter	1 pc	**2124527**

Height extensions CFS-CID

Applications

- For use with CFS-CID cast-in devices

Advantages

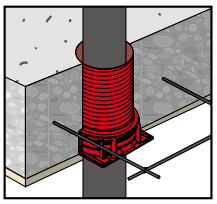
- “Screw on” feature promotes a secure connection to the device and cover cap
- Adds 150 mm of height to pre-formed firestop devices

Technical data

Base materials	Concrete
Height	150 mm
Application temperature range	-5 - 50 °C
Colour	Red

Ordering designation	Pipe diameter - range	Package contents	Sales pack quantity	Item number
Kit CFS-CID 50 Extension	40 - 63 mm	10x Coupling CP680-P/M 2” CPL, 10x Extension tube	1 pc	**3537759**
Kit CFS-CID 75 Extension	50 - 75 mm	10x Coupling CP680-P/M 3” CPL, 10x Extension tube	1 pc	**3537760**
Kit CFS-CID 110 Extension	90 - 110 mm	10x Coupling CP680-P/M 4” CPL, 10x Extension tube	1 pc	**3537761**
Kit CFS-CID 160 Extension	125 - 160 mm	1x Coupling CP680-P/M 6” CPL, 1x Extension tube	1 pc	**3537762**

General information



Partition	**Rigid floor**
Base material thickness (t_E)	≥ 150 mm
Distance between devices	Zero for all pipe types
Fixing to formwork	Wood nails
Gap filling	No backfilling required
Penetration	Combustible and non-combustible pipes

Main approved applications

Excerpt of EN Classification Report. Check the exact field of application for each pipe (type, diameter and pipe wall thickness) in the EN Classification report 17377A document.

Application	Pipe material	Pipe Ø mm	Rigid floor
	PE / PE-HD EN 1519-1 or EN 12666-1 (covers EN 12201-2, EN 1519-1, EN 12666-1, EN 1455-1 (ABS), EN 1565-1), EN ISO 15494 (Industrial)	40 - 160	EI 180 U/U
	PVC-U EN 1329-1 or EN 1453-1 or EN 1452-1 (covers EN 1329-1, EN 1453-1, EN 1452-1, EN 1566-1), EN ISO 15493 (Industrial, equivalent EN 1452)	63 - 125	EI 180 U/U
		125 - 160	EI 120 U/U
	PP (EN 1451-1, DIN 4102)	40 - 160	EI 120 U/U
	ABS (EN 1455-1)	50 - 160	EI 120 U/U
	PE Geberit db20 (Non Regulated)	56 - 160	EI 180 U/U
	PP Acoustic Pipes (Non Regulated)*	40 - 160	EI 180 U/U
	PE-Xa (EN-ISO 15875)	32 - 63	EI 180 U/U
	PP-R (DIN 8077/8078)	32 - 160	EI 180 U/C
	Copper and stainless steel with elastomeric insulation	18 - 76	EI 180 C/U
	Copper and steel pipes, glass or mineral wool insulation:		
	The field of application given is also valid for other metal pipes with lower heat conductivity than copper (approx. 350 W / m.K at 20 °C) and a melting point of minimum 1050 °C (e.g. steel, stainless steel, cast-iron, etc.)	18 - 89	EI 180 C/U

*Coes PhoNoFire®, Coes blue power, Geberit Silent PP, Ke Kelit Phonex AS, Marley Silent, Skolan db, Pipelife Master 3, Poloplast Polokal NG, Poloplast Polokal 3S, Raupiano Plus, Wavin SiTech, Wavin AS, etc.

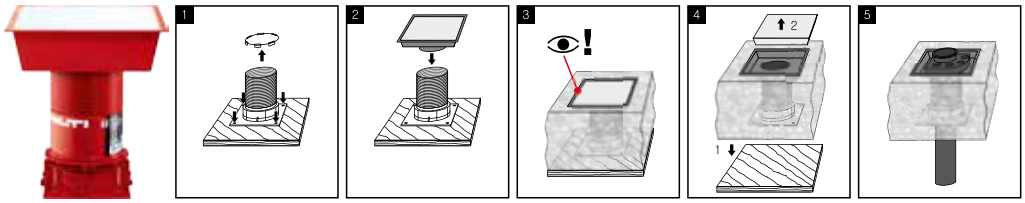
Waste water **Roof drainage** **Drinking water** **Heating**

Other approved applications

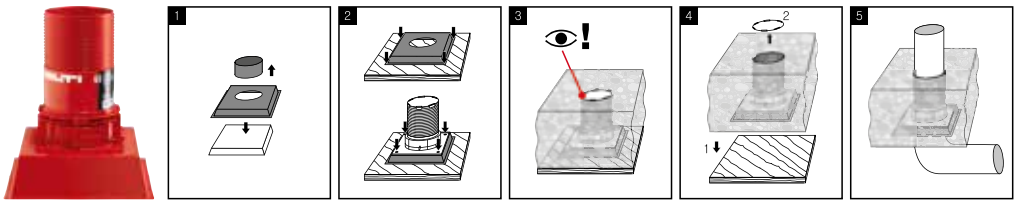
Firestop cast-in device CFS-CID manifold adapter

Dimensions: 280 x 280 x 75 mm
To use with Firestop Cast-in CFS-CID 110 mm

Recess for pipe junctions

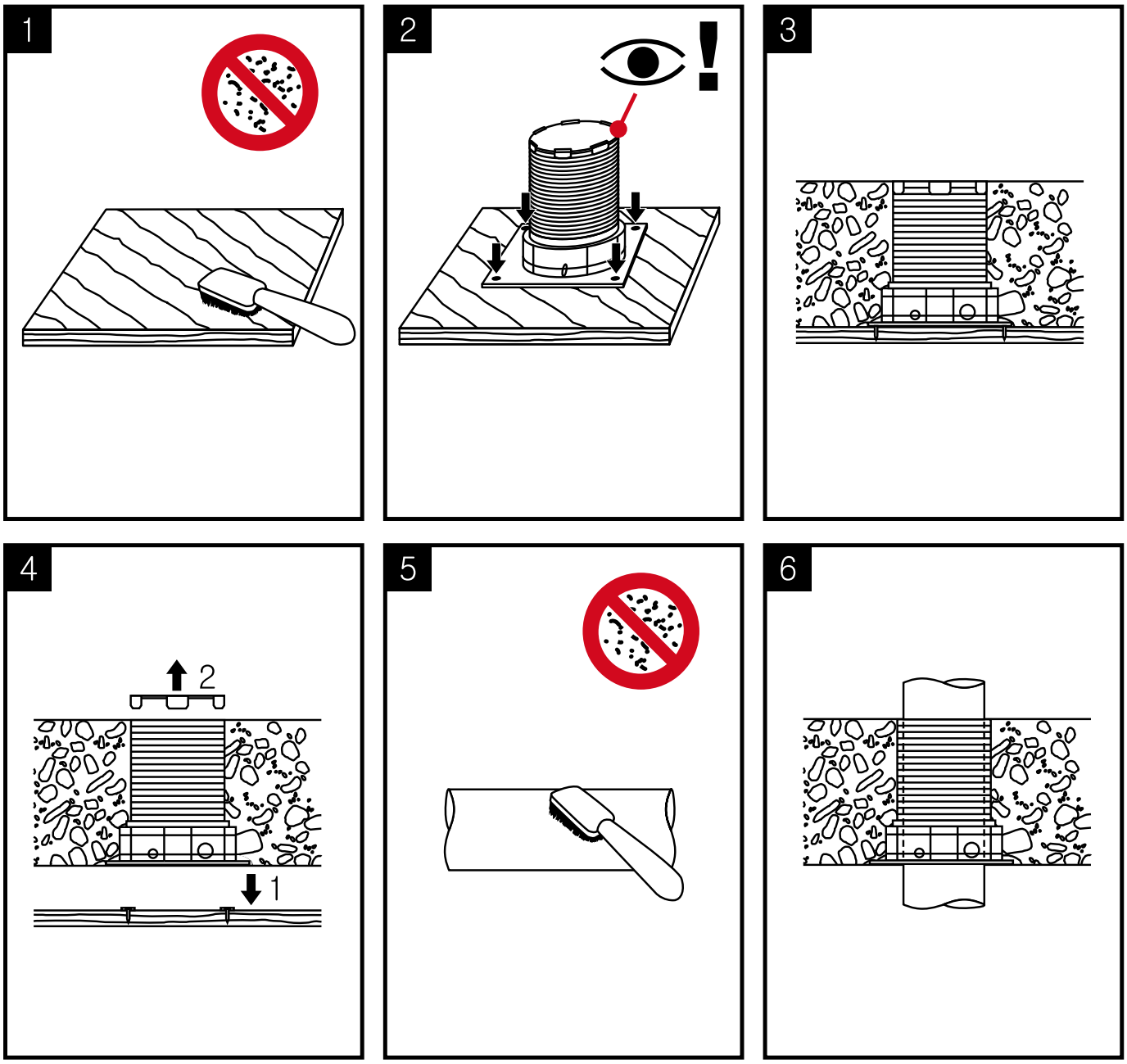


Recess for pipe elbow couplers
EI 180 U/U for PVC and HD-PE pipes Ø = 110 mm



Firestop cast-in device CFS-CID extensions		To add an extra 150 mm to the cast-in devices with a strong and stable connection. Coupler and extensions available for all CFS-CID diameters.
Firestop cast-in device CFS-CID without pipe penetrations		All sizes tested and approved for EI 180 minutes only with the lid on top. See classification report for more info.
Zero distance between firestop cast-in devices CFS-CID		Possibility to assemble firestop cast-in devices with zero separation between them. See classification report for more info.

General instructions for use



Characteristics of CFS-CID

Characteristics	Assessment of characteristics	Norm, standard, test
Health and the environment Dangerous substances	CFS-CID is in compliance concerning the registration, evaluation, authorisation and restriction of Chemicals (REACH). The product does not contain any constituents contained in the list of dangerous substances of the European Commission above the acceptable limits.	Material safety data sheet
Protection against noise Airborne sound insulation	Hilti CFS-CID 50 $D_{n,w}$ = 55 dB Hilti CFS-CID 75 $D_{n,w}$ = 51 dB Hilti CFS-CID 110 $D_{n,w}$ = 48 dB Hilti CFS-CID 160 $D_{n,w}$ = 46 dB	EN ISO 140-3 EN ISO 20140-10 EN ISO 717-1
Durability and serviceability	Category Y2 (suitable for penetration seals intended for use in dry indoor conditions excluding temperatures below 0° C).	ETAG 026-2 and 3
Reaction to fire	Class E	EN 13501-1