

FIREFLY T1 & T2 Retrofit Floor Waste Kits Technical Datasheet



Overview

FIREFLY T1 and T2 are retrofit floor waste termination kits designed to reinstate the fire resistance of concrete floor slabs where cast in fire collars are missing, non compliant, or damaged.

Each kit provides a tested and assessed method of restoring the required FRL to uPVC floor waste penetrations using a combination of a galvanised steel adaptor plate, low profile fire collar, and FIREFLY Mastic.

Property	Value
Material	Galvanised steel collar with graphite-based intumescent strip
Kit Configurations	T1: For DN100 uPVC floorwaste pipes T2: For DN 50 uPVC floorwaste pipes
Orientation	Underside of fire-rated concrete floor slabs
Compatible Pipe Sizes	50 mm kit: for use with DN50 uPVC floor waste pipes 100 mm kit: for use with DN100 uPVC floor waste pipes
Adaptor Plate	Galvanised steel plate designed to cover damaged, non rated, or missing cast in collars / rockets
Fixings (permitted)	Minimum M6 x 40 mm masonry anchors or 14g x 45 mm masonry screws
Sealant (required)	FIREFLYMastic

Certification

Tested in accordance with AS1530.4 2014
 Assessed in accordance with AS4072.1 2005.

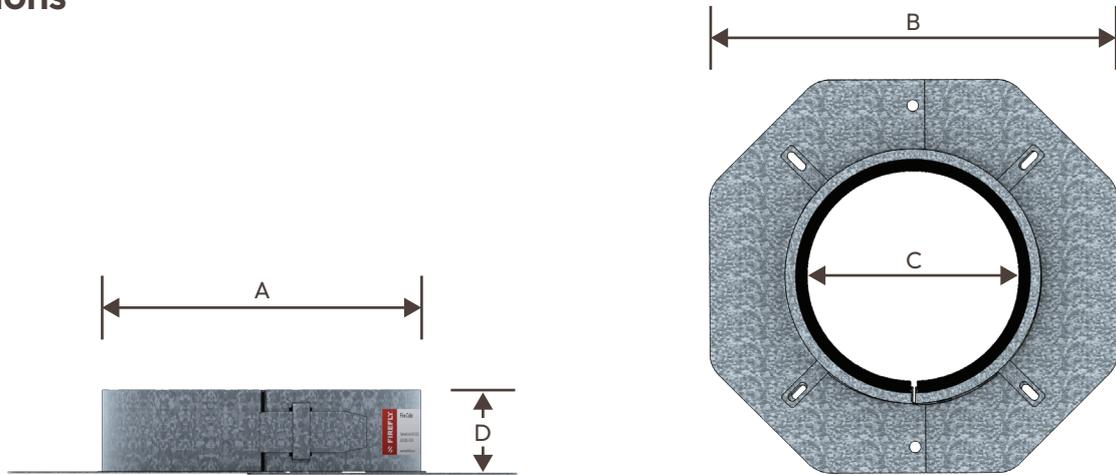
Regulatory Information Report 250662 RIR1.0

FRL

Up to -180/180 dependent on tested and assessed system configuration.

Please refer to FIREFLY PFP (app) for complete list of approved substrate, penetration types, FRL's and system configurations.

Dimensions



Product	A Collar OD (mm)	B Plate Width (mm)	C Collar ID (mm)	D Collar Height (mm)	Plate Thickness (mm)	No. of Fixings
T1	145	230	120	38	0.7	4
T2	88	200	63	28	0.5	3

Applications

Penetrations

- uPVC floorwaste pipes (DN50 and DN100)
- Floorwaste penetrations requiring reinstatement of a compliant fire collar
- Situations with missing, damaged, non rated, or incorrectly installed cast in collars
- Retrofit and rectification works in existing buildings

Substrates

- Concrete floor slabs

Conditions | Scenarios

- Repairs to penetrations that failed inspection
- Replacement of incomplete firestopping around floorwaste penetrations
- Underside installation where the fire exposed face is accessible
- Reinstatement of FRL without core drilling or invasive slab modification

Compatible FIREFLY Components

- FIREFLY T1 Retrofit Floorwaste Termination Kit (100 mm)
- FIREFLY T2 Retrofit Floorwaste Termination Kit (50 mm)
- FIREFLY Retrofit Floorwaste Collar
- FIREFLY Adaptor Plate
- FIREFLYMastic

Installation Reference

The FIREFLY T1 and T2 retrofit floorwaste kits are designed for underside installation to restore the fire resistance level (FRL) of uPVC floorwaste penetrations.

Installation Steps

1. Select the correct floorwaste kit based on the pipe size (T1 for 100mm, T2 for 50mm).
2. Position the FIREFLY adaptor plate over the base of the existing cast in collar or pipe rocket, fully covering the opening, and fix it to the underside of the concrete slab.
3. Place the FIREFLY retrofit floorwaste collar over the adaptor plate, aligning the collar tabs with the adaptor plate fixing holes and ensuring any pipe sockets or connections are located outside the collar area.
4. Fix the collar directly into the concrete slab using the permitted fixings (M6 × 40mm masonry anchors or 14g × 45mm masonry screws).
5. Seal all visible gaps between the adaptor plate and the concrete soffit using FIREFLY Mastic to ensure a complete smoke and fire tight seal.

Note: A step-by-step installation demonstration video is available on our website.

