

FIREFLYMortar Systems Overview

FIREFLYMortar Report FAS230181 RIR1.0

FIREFLY fire stopping systems don't just encompass our renowned FIREFLYBatt and Core Hole services. In our introductory FIREFLYMortar report, FAS230181 RIR1.0, we cater to various industries including electrical and communications, plumbing and hydraulic, concrete and patchworks. Keep an eye out for future editions, released periodically, featuring more exciting systems.

Outlined below are some of our versatile applications of FIREFLYMortar combined with some of our other exceptional products.

Metal Pipes

Non-combustible building services such as metal pipes carrying pressurised or non-pressurised liquids have traditionally been protected using FIREFLYMastic and FIREFLY Penowrap across other substrates. This is now also extended to FIREFLYMortar substrates. To create the seal, all you are required to do is paint the pipe with a 1 mm thick coat of FIREFLYMastic for the portion passing through FIREFLYMortar.



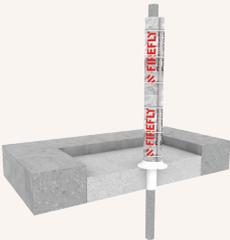
Bare copper and ferrous pipes up to 210 mm OD installed in FIREFLYMortar can achieve an FRL of -/120/- using only FIREFLYMastic

H14A | -/120/-



Adding FIREFLY Penowrap and a fillet of FIREFLYMastic can increase the FRL to -/120/120

H14C | -/120/120



Steel pipes up to 40 mm OD can achieve an FRL up to -/120/120 with FIREFLY Penowrap and a 25 mm fillet of FIREFLYMastic

H15B | -/120/120



Beyond 40 mm OD steel pipes up to 300 mm OD can achieve FRLs up to -/120/120. Only increase the fillet size to 50 mm

H16B | -/120/120

Plastic Pipes

You will only need FIREFLY FRF Collars to fire stop HDPE pipes through FIREFLYMortar. FIREFLYMastic HP will effectively fire stop around PEX pipes, simply use bubble wrap or backing rod to form the void in the FIREFLYMortar substrate.



Our smallest collar provides an FRL of -/120/120 when installed on the underside of FIREFLYMortar substrate

H3 | -/120/120



100 mm HDPE pipes with a maximum wall thickness of 7 mm achieves an FRL of -/120/120 with FIREFLY FRF 100 collar under FIREFLY-Mortar substrate

H9 | -/120/120



The largest FIREFLY FRF collar, FRF 150, can provide an FRL of -/120/120 to a 160 mm HDPE pipe when installed under FIREFLY-Mortar substrate

H11 | -/120/120



FIREFLYMastic HP around Gas PEX pipes in FIREFLY-Mortar achieves an FRL of -/120/120

H12 | -/120/120



FIREFLYMastic HP around PEX pipes in FIREFLYMortar can be installed using bubble wrap or a backing rod

H13 | -/120/120

Blank Seals

Pour FIREFLYMortar to a depth of 100 mm within apertures and linear gaps in concrete slabs to achieve an FRL of up to -/240/240. The FIREFLYMortar seal can be installed without needing to be flush with the top or underside of the concrete slab.



Seal apertures up to 600 mm long x 600 mm wide

H1 | -/240/240



Blank linear seals unlimited in length and 300 mm wide

H2 | -/240/240

Electrical and Communications

Solutions available for a variety of electrical services such as TPS cables, communication cables and cable trays, both large and small, through FIREFLYMortar. The results are impressive with various systems achieving an FRL of -/240/240.

 <p>H17 -/180/120</p>	<p>Bundle of TPS cables or fire alarm cables, 12 of them, or mix them up. Simply use FIREFLYMastic HP in the annular gap to achieve an FRL of -/180/120</p>	 <p>H18 -/120/120</p>	<p>Up to 30 Cat5 or RG6 or Optic Fibre cables or a mixed bundle of them all, can achieve an FRL of -/120/120 with FIREFLYMastic HP</p>
 <p>H19 -/180/180</p>	<p>Up to 3 uPVC conduits or flexi conduits up to 32 mm OD (with or without cables) can achieve an FRL of -/180/180</p>	 <p>H20C -/120/120</p>	<p>D2 communication cables with or without cable tray with only 300 mm long FIREFLY Penowrap and FIREFLYMastic HP provides an FRL of -/120/120 Also available in 180 and 240 minute FRLs</p>
 <p>H22 -/240/240</p>	<p>High FRL Alert! D1 electrical cables can achieve an FRL of -/240/240 using FIREFLY-Mastic, FIREFLY Penowrap and FIREFLYMastic HP</p>		

FAS230180 | New Systems Update

Solutions available for a variety of electrical services such as TPS cables, communication cables and cable trays, both large and small, through FIREFLYMortar. The results are impressive with various systems achieving an FRL of -/240/240.

ID	Service	Main fire protection	Local FIREFLY protection	FRL
H1	Blank seal 0.36 m ²	FIREFLYMortar	-	-/240/240
H2	Linear seal 300 x unlimited length	FIREFLYMortar	-	-/240/240
H3	HDPE pipe – 40 mm OD	FIREFLYMortar	FIREFLY FRF40 collar	-/120/120
H4	HDPE pipe – 50 mm OD	FIREFLYMortar	FIREFLY FRF50 collar	-/120/120

ID	Service	Main fire protection	Local FIREFLY protection	FRL
H5	HDPE pipe – 56 mm OD	FIREFLYMortar	FIREFLY FRF50 collar	-/120/120
H6	HDPE pipe – 63 mm OD	FIREFLYMortar	FIREFLY FRF65 collar	-/120/120
H7	HDPE pipe – 75 mm OD	FIREFLYMortar	FIREFLY FRF80 collar	-/120/120
H8	HDPE pipe – 90 mm OD	FIREFLYMortar	FIREFLY FRF80 collar	-/120/120
H9	HDPE pipe – 110 mm OD	FIREFLYMortar	FIREFLY FRF100 collar	-/120/120
H10	HDPE pipe – 125 mm OD	FIREFLYMortar	FIREFLY FRF150 collar	-/120/120
H11	HDPE pipe – 160 mm OD	FIREFLYMortar	FIREFLY FRF150 collar	-/120/120
H12	Gas PEX – 43 mm OD	FIREFLYMortar	FIREFLYMastic HP	-/120/120
H13	PEXa – 43 mm OD	FIREFLYMortar	FIREFLYMastic HP	-/120/120
H14A	Copper and Ferrous pipes	FIREFLYMortar	FIREFLYMastic	-/120/-
H14B	Copper and Ferrous pipes	FIREFLYMortar	FIREFLYMastic & Penowrap	-/120/120
H14C	Copper and Ferrous pipes	FIREFLYMortar	FIREFLYMastic & Penowrap	-/120/120
H15A	Steel pipes	FIREFLYMortar	FIREFLYMastic & Penowrap	-/120/120
H15B	Steel pipes	FIREFLYMortar	FIREFLYMastic & Penowrap	-/120/120
H16A	Steel pipes	FIREFLYMortar	FIREFLYMastic & Penowrap	-/120/120
H16B	Steel pipes	FIREFLYMortar	FIREFLYMastic & Penowrap	-/120/120
H17	TPS and Fire alarm cables	FIREFLYMortar	FIREFLYMastic HP	-/180/120
H18	Cat5/Cat6/RG6/Optic fibre cables	FIREFLYMortar	FIREFLYMastic HP	-/120/120
H19	uPVC conduits	FIREFLYMortar	FIREFLYMastic HP	-/180/180
H20A	D2 cables – Cable tray optional	FIREFLYMortar	FIREFLYMastic, FIREFLYMastic HP & Penowrap	-/240/240
H20B	D2 cables – Cable tray optional	FIREFLYMortar	FIREFLYMastic, FIREFLYMastic HP & Penowrap	-/180/180
H20C	D2 cables – Cable tray optional	FIREFLYMortar	FIREFLYMastic, FIREFLYMastic HP & Penowrap	-/120/120
H21	D1 cables – Cable tray optional	FIREFLYMortar	FIREFLYMastic, FIREFLYMastic HP & Penowrap	-/120/120
H22	D1 cables – Cable tray optional	FIREFLYMortar	FIREFLYMastic, FIREFLYMastic HP & Penowrap	-/240/240

Be sure to contact our customer service team or reach out to your FIREFLY Account Manager for a copy of the FAS230181 RIR1.0 report at your earliest convenience.

Experience the convenience of seamless project management across all your devices with FIREFLY PFP. Create projects, generate reports, track progress and ensure DTS compli-



Filterable system search

Find what you need quickly with complex filtering including substrate orientation, substrate type, MIN FRL and more.



Step-by-step installation guide

Step through guide for installations, new project creation and audits, plus project status overview.



Bookmark systems

The ability to mark systems you use frequently as favourites to maximise workflow efficiency.



Document compliance issues

Add UIN Numbers, location, description and photos of the compliance issues on your project.



Add members

Collaborate seamlessly by adding other members to a project.



Instant certification report numbers

Generate free custom reports for any project either from your construction site or from your office with ease.

Getting Started

1. **Create a profile** via our website or via the app, available to download at the App store or Google Play
2. **Access your profile** via both desktop and app, or only via the desktop should you choose not to download the mobile app.
3. **Sign in** anytime to access 58,000+ tested and assessed systems, reports, project registers and more

Have a question about FIREFLY PFP, contact us today.

