FIREFLY Core Hole Report
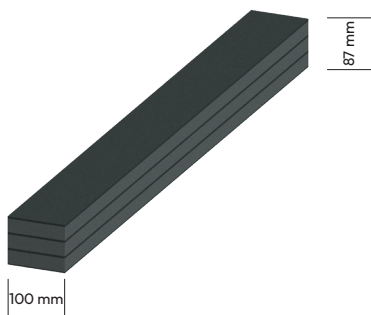# Systems Overview

FAS190236 RIR 1.21A

Welcome to the latest update of the FIREFLY Passive Fire Protection Newsletter. This edition focuses on our continued collaboration with Kingspan, highlighting core hole solutions that seamlessly integrate with their high-performance wall systems.

Discover the new FIREFLYSpan variants tailored for different slab thicknesses and their applications in linear gap seals in walls and floors. Learn more about how these products can address your firestopping requirements.
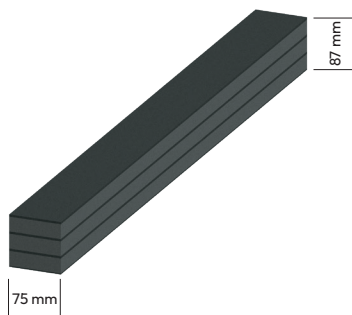
Linear Gap Seals | Walls & Floors

Control joints play a crucial role in modern building construction, ensuring the structural integrity and longevity of various building elements. When these joints are present in fire-rated elements, it is essential to protect them with flexible solutions that meet the Fire Resistance Level (FRL) requirements.

FIREFLYSpan offers dependable and flexible firestopping solutions that can adapt to joint movement while providing the necessary fire protection. With a range of sizes available, FIREFLYSpan is designed to suit a variety of joints, ensuring proper protection based on the thickness and FRL of the separating element. The range includes:
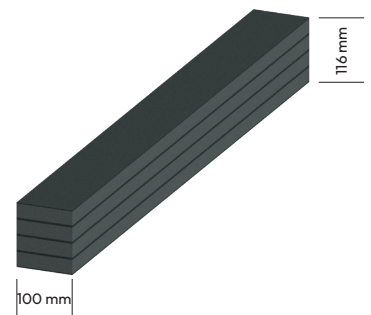

FIREFLYSpan 75 (NEW)
Provides exceptional protection suitable for wall and slab thicknesses capable of 180 and 240 minute FRL's. Suitable for joints requiring movement between 35 mm up to 75 mm wide.

FIREFLYSpan 75x75 (NEW)
Provides exceptional protection suitable for wall and slab thicknesses capable of 120 minute FRL's. Suitable for joints requiring movement between 35 mm up to 75 mm wide.

FIREFLYSpan 100
Provides exception protection in wall and slab thicknesses capable of up to 240 minute FRL's. Suitable for joints requiring movement between 51 mm up to 100 mm wide.

SH4

FRL
Up to -/240/240

Service
Linear gap seal in concrete slabs

Protection
FIREFLYSpan 75 / FIREFLY Span 100

SH13

FRL
Up to -/240/240

Service
Linear gap seal in concrete slabs

Protection
FIREFLYSpan 75 / FIREFLY Span 100

SH15

FRL
Up to -/240/240

Service
Linear gap seal in concrete slabs

Protection
FIREFLYSpan 75 / FIREFLY Span 75 x 75

SV16

FRL
Up to -/240/240

Service
Horizontal linear gap seal in wall

Protection
FIREFLYSpan 75 / FIREFLY Span 100

SV17

FRL
Up to -/240/240

Service
Vertical linear gap seal in wall

Protection
FIREFLYSpan 75 / FIREFLY Span 100

Note
All FIREFLYSpan products are supplied in 1 metre lengths and are easily installed into tight joints using FIREFLYMastic for a secure, compliant fit.

Kingspan K-Roc Walls | Multiple Services

FIREFLY and Kingspan continue to lead the way in innovative firestopping solutions using FIREFLY products in K-Roc wall systems.
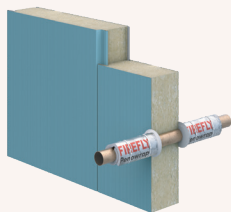
FIREFLYBatt seals provide access to hundreds of tested firestopping configurations, as detailed in our FAS190235 report. Our portfolio continues to expand, with an increasing number of tested service penetrations now available directly in the core holes report.

Currently, we offer solutions for:

- Copper pipes protected with FIREFLYMastic and FIREFLY Penowrap
- Plastic pipes protected with FIREFLYHP and FIREFLY FRF Collars
- 35 mm² PVC cables protected with FIREFLYMastic and Penowrap
- Mixed service bundles protected with FIREFLYHP and FIREFLY FRF Collars

These systems are suitable for K-Roc walls with fire resistance levels (FRLs) of -/120/120 and -/240/180, for wall thicknesses of 150 mm and 175 mm, respectively.

Given the popularity of K-Roc walls in food processing and storage facilities, data centres, micro-electronics environments, and pharmaceutical applications, these tested solutions are expected to see widespread adoption across the industry. With more testing underway, expect to see more of such services in the core hole report.
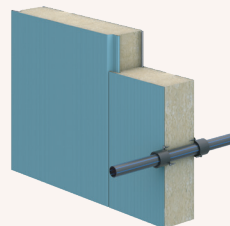
FRL
-/120/120

Service
Up to 1 x DN25 type B copper pipe

Protection
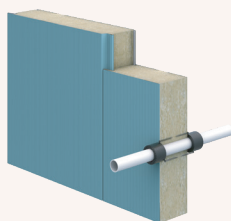FIREFLYMastic, FIREFLY Penowrap

V531

FRL
-/120/120 & -/240/180

Service
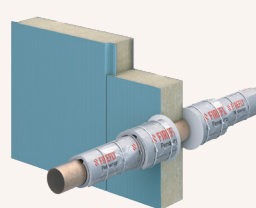DN40 HDPE pipe

Protection
FIREFLYHP, FIREFLY FRF-40 Collar

V532A & V532B

FRL
-/120/120 & -/240/180

Service
DN40 uPVC pipe

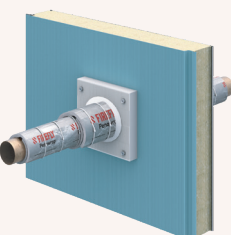**Protection**
FIREFLYHP, FIREFLY FRF-40 Collar

V533A & V533B

FRL
-/120/120 & -/240/180

Service
Up to 1 x DN100 type B copper pipe

Protection
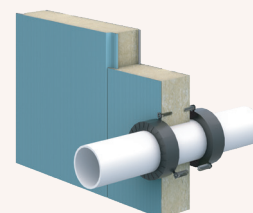FIREFLYMastic, FIREFLY Penowrap

V534A & V534B

FRL
-/240/180

Service
Up to 1 x DN100 type B copper pipe

Protection
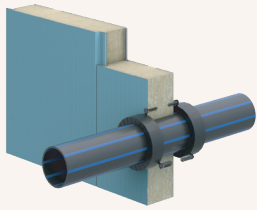FIREFLYMastic, FIREFLYBatt, FIREFLY Penowrap

V534C

FRL
-/120/120 & -/240/180

Service
DN150 uPVC pipe

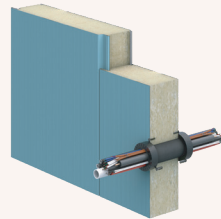**Protection**
FIREFLYHP, FIREFLY FRF-150 Collar

V535A & V535B

FRL
-/120/120 & -/240/180

Service
DN160 HDPE pipe
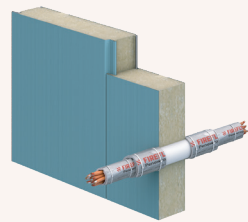
Protection
FIREFLYHP, FIREFLY FRF-150 Collar

V536A & V536B

FRL
-/120/120 & -/240/180

Service
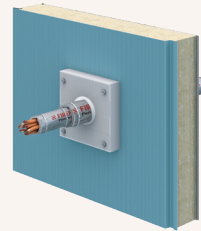Mixed services bundle

Protection
FIREFLYHP, FIREFLY FRF-100 Collar

V537A & V537B

FRL
-/120/120

Service
Up to 8 x 4C+E PVC cables

Protection
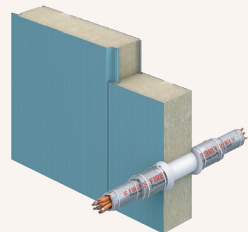FIREFLYMastic, FIREFLY Penowrap

V538A

FRL
-/180/180

Service
Up to 8 x 4C+E PVC cables

Protection
FIREFLYMastic, FIREFLYBatt, FIREFLY Penowrap

V538B

FRL
 -/240/180

Service
Up to 8 x 4C+E PVC cables

Protection
FIREFLYMastic, FIREFLY Penowrap

V538C

FAS190236 RIR 1.21A | New Systems

ID	Service	Separating Element	Local FIREFLY Protection	FRL
SV16A	Horizontal Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 100	Up to -/120/120
SV16B	Horizontal Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 100	-/180/180 & -/240/240
SV16C	Horizontal Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75	Up to -/120/120
SV17A	Vertical Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 100	Up to -/120/120
SV17B	Vertical Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 100	-/180/180 & -/ 240/240
SV17C	Vertical Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75	Up to -/120/120

ID	Service	Separating Element	Local FIREFLY Protection	FRL
SV20A	Horizontal Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75	Up to -/240/240
SV20B	Horizontal Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75 x 75	-/180/180 & -/ 240/240
SV20C	Horizontal Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75	-/180/180 & -/240/240
SV20D	Horizontal Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75 x 75	Up to -/120/120
SV21A	Vertical Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75	Up to -/240/240
SV21B	Vertical Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75 x 75	-/180/180 & -/240/240
SV21C	Vertical Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75	-/180/180 & -/240/240
SV21D	Vertical Linear gap seal	Concrete, Masonry, Concrete block or AAC block wall	FIREFLYSpan 75 x 75	Up to -/120/120
SH4A	Linear gap seal	Concrete slab	FIREFLYSpan 75	-/60/60
SH4B	Linear gap seal	Concrete slab	FIREFLYSpan 75	-/90/90
SH4C	Linear gap seal	Concrete slab	FIREFLYSpan 75 (or) FIREFLYSpan 100	-/120/120
SH4D	Linear gap seal	Concrete slab	FIREFLYSpan 100	-/180/180
SH4E	Linear gap seal	Concrete slab	FIREFLYSpan 100	-/240/240
SH11A	Linear gap seal	Concrete slab	FIREFLYSpan 75 + FIREFLY Fabric	-/60/60
SH11B	Linear gap seal	Concrete slab	FIREFLYSpan 75 + FIREFLY Fabric	-/90/90
SH11C	Linear gap seal	Concrete slab	FIREFLYSpan 75 (or) FIREFLYSpan 100 + FIREFLY Fabric	-/120/120
SH12A	Linear gap seal	Concrete slab	FIREFLYSpan 100 + FIREFLY Fabric	-/180/180
SH12B	Linear gap seal	Concrete slab	FIREFLYSpan 100 + FIREFLY Fabric	-/240/240
SH13A	Linear gap seal	Concrete slab	FIREFLYSpan 100	Up to -/240/240
SH13B	Linear gap seal	Concrete slab	FIREFLYSpan 75	Up to -/120/120

ID	Service	Separating Element	Local FIREFLY Protection	FRL
SH13C	Linear gap seal	Concrete slab	FIREFLYSpan 100	-/180/180 & -/240/240
SH15A	Linear gap seal	Concrete slab	FIREFLYSpan 75	Up to -/240/240
SH15B	Linear gap seal	Concrete slab	FIREFLYSpan 75 x 75	-/180/180 & -/240/240
SH15C	Linear gap seal	Concrete slab	FIREFLYSpan 75	-/180/180 & -/240/240
SH15D	Linear gap seal	Concrete slab	FIREFLYSpan 75 x 75	Up to -/120/120
V531	Up to 1 X DN25 Copper pipe	Kingspan K-Roc™ wall	FIREFLYMastic + FIREFLY Penowrap	-/120/120
V532A	DN40 HDPE pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-40 fire collar	-/120/120
V532B	DN40 HDPE pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-40 fire collar	-/240/180
V533A	DN40 UPVC pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-40 fire collar	-/120/120
V533B	DN40 UPVC pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-40 fire collar	-/240/180
V534A	Up to 1 X DN100 Copper pipe	Kingspan K-Roc™ wall	FIREFLYMastic + FIREFLY Penowrap	-/120/120
V534B	Up to 1 X DN100 Copper pipe	Kingspan K-Roc™ wall	FIREFLYMastic + FIREFLY Penowrap	-/240/180
V534C	Up to 1 X DN100 Copper pipe	Kingspan K-Roc™ wall	FIREFLYMastic + FIREFLY Penowrap	-/240/180
V535A	DN150 uPVC pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-150 fire collar	-/120/120
V535B	DN150 uPVC pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-150 fire collar	-/240/180
V536A	DN160 uPVC pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-150 fire collar	-/120/120
V536B	DN160 uPVC pipe	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-150 fire collar	-/240/180
V537A	Mixed service bundle	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-100 fire collar	-/120/120
V537B	Mixed service bundle	Kingspan K-Roc™ wall	FIREFLY HP + FIREFLY FRF-100 fire collar	-/240/180

ID	Service	Separating Element	Local FIREFLY Protection	FRL
V538A	Up to 8 x 35 mm² PVC 4C+E cable	Kingspan K-Roc™ wall	FIREFLYMastic + FIREFLY Penowrap	-/120/120
V538B	Up to 8 x 35 mm² PVC 4C+E cable	Kingspan K-Roc™ wall	FIREFLYMastic + FIREFLY Penowrap	-/180/180
V538C	Up to 8 x 35 mm² PVC 4C+E cable	Kingspan K-Roc™ wall	FIREFLYMastic + FIREFLY Penowrap	-/240/180

For further details regarding any of these systems sign up for FIREFLY PFP for desktop or mobile, via our website; or to obtain a copy of the complete report reach out to your FIREFLY Account Manager or contact our customer service team at sales@tbafirefly.com.au

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