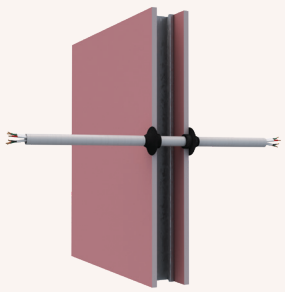
New Systems Update October 2026

FAS190236 RIR 1.28A

The latest update includes 60-minute fire-stopping solutions for plasterboard, hollow-core block and solid concrete walls, with FIREFLYMastic and FIREFLYHP systems that achieve complete FRLs, including the insulation criteria. Also included are 77 mm thick plasterboard walls capable of achieving an FRL of -/60/60.

Key highlights include:

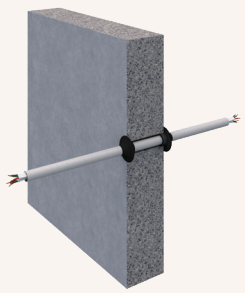
- Plasterboard systems: Covers 77 mm thick walls achieving -/60/60, as well as 90 mm and 96 mm thick walls achieving FRLs up to -/90/90.
- Range of services: Covers electrical and communications services, PEX pipes, fire-rated and non-fire-rated pair coils, and a wide range of other services.
- Substrate applications: Tested treatments for plasterboard walls can also be extended to rigid hollow block walls and solid concrete walls of the same thickness.



1-off 25 mm uPVC conduit with up to 4 x 2.5 mm² 2C+E TPS cables

Products
FIREFLY HP

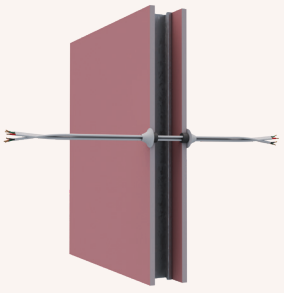
FRL
V667A | -/60/60 + -/90/90



1-off 25 mm uPVC conduit with up to 4 x 2.5 mm² 2C+E TPS cables

Products
FIREFLY HP

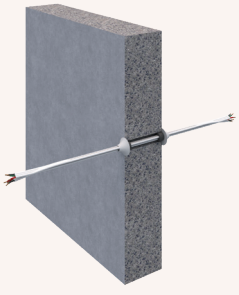
FRL
V667B | -/60/60 + -/90/90



Up to 2 x 2.5 mm² 2C+E TPS cables

Products
FIREFLYMastic

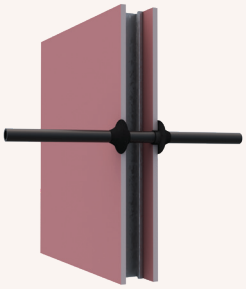
FRL
V668A | -/60/60 + -/90/90



Up to 2 x 2.5 mm² 2C+E TPS cables

Products
FIREFLYMastic

FRL
V668B | -/60/60 + -/90/90



1-off up to 25 mm PEX pipe

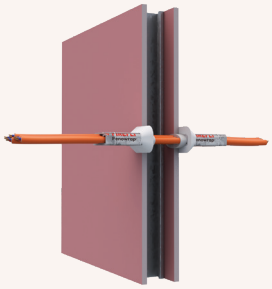
Products
FIREFLY HP

FRL
V669A | -/60/60 + -/90/90

1-off up to 25 mm PEX pipe

Products
FIREFLY HP

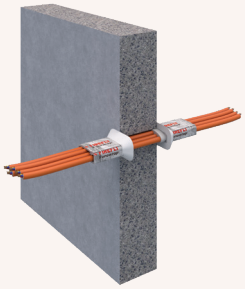
FRL
V669B | -/60/60 + -/90/90



Up to 5 x 16 mm² 3C+E PVC cables

Products
FIREFLYMastic
FIREFLY Penowrap

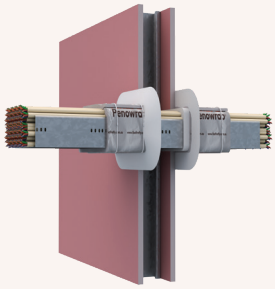
FRL
V670A | -/60/60 + -/90/90



Up to 5 x 16 mm² 3C+E PVC cables

Products
FIREFLYMastic
FIREFLY Penowrap

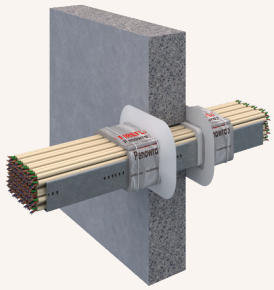
FRL
V670B | -/60/60 + -/90/90



AS1530.4 – 2014 D2 standard communication cables with or without cable tray

Products
FIREFLYMastic
FIREFLY Penowrap

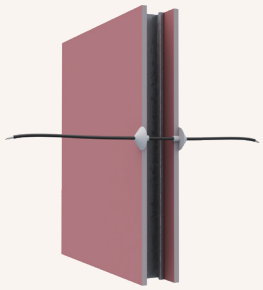
FRL
V671A | -/60/60 + -/90/90



AS1530.4 – 2014 D2 standard communication cables with or without cable tray

Products
FIREFLYMastic
FIREFLY Penowrap

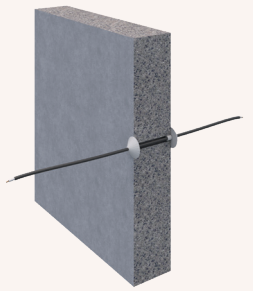
FRL
V671B | -/60/60 + -/90/90



1-off RG6 coaxial cable

Products
FIREFLYMastic

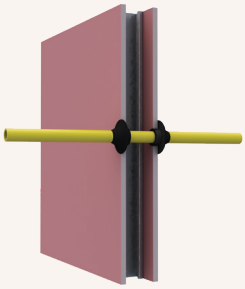
FRL
V672A | -/60/60 + -/90/90



1-off RG6 coaxial cable

Products
FIREFLYMastic

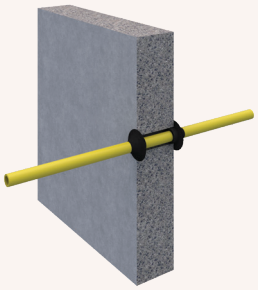
FRL
V672B | -/60/60 + -/90/90



1-off up to 25 mm Gas PEX

Products
FIREFLY HP

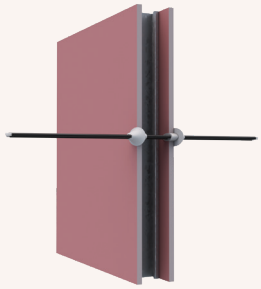
FRL
V673A | -/60/60 + -/90/90



1-off up to 25 mm Gas PEX

Products
FIREFLY HP

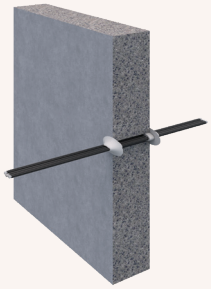
FRL
V673B | -/60/60 + -/90/90



Up to 5 x 25 mm² 4C aluminium cables

Products
FIREFLYMastic

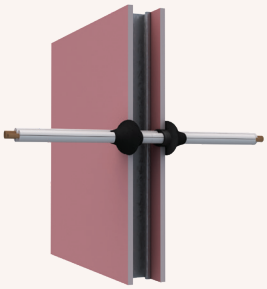
FRL
V674A | -/60/60 + -/90/90



Up to 5 x 25 mm² 4C aluminium cables

Products
FIREFLYMastic

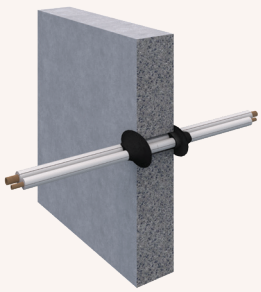
FRL
V674B | -/60/60 + -/90/90



Up to 3/8" + 5/8" copper pair coil with minimum 10 mm CLPE insulation

Products
FIREFLY HP

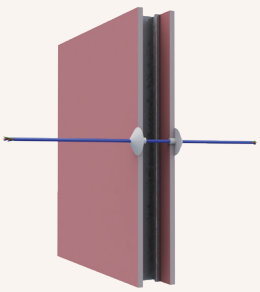
FRL
V675A | -/60/60 + -/90/90



Up to 3/8" + 5/8" copper pair coil with minimum 10 mm CLPE insulation

Products
FIREFLY HP

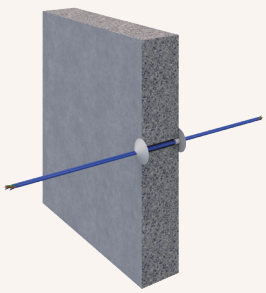
FRL
V675B | -/60/60 + -/90/90



Cable bundle of up to 2 each CAT5e and CAT6 cables

Products
FIREFLYMastic

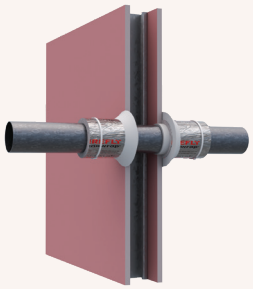
FRL
V676A | -/60/60 + -/90/90



Cable bundle of up to 2 each CAT5e and CAT6 cables

Products
FIREFLYMastic

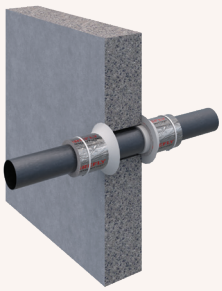
FRL
V676B | -/60/60 + -/90/90



1-off Steel pipe up to NB 65 with wall thickness 3.6 mm

Products
FIREFLYMastic
FIREFLY Penowrap

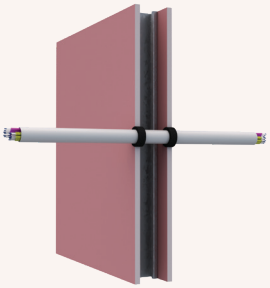
FRL
V677A | -/60/60 + -/90/90



1-off Steel pipe up to NB 65 with wall thickness 3.6 mm

Products
FIREFLYMastic
FIREFLY Penowrap

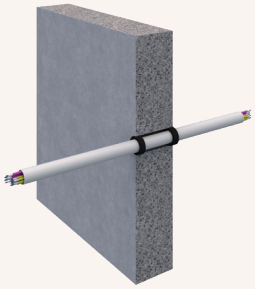
FRL
V677B | -/60/60 + -/90/90



1-off up to 32 mm uPVC conduit with up to 8, Yellow and 6 Pink fibre optic cables

Products
FIREFLY HP

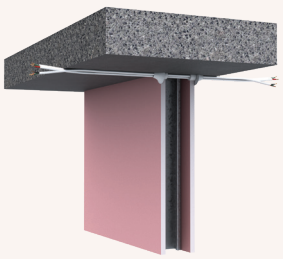
FRL
V678A | -/60/60 + -/90/90



1-off up to 32 mm uPVC conduit with up to 8, Yellow and 6 Pink fibre optic cables

Products
FIREFLY HP

FRL
V678B | -/60/60 + -/90/90



Up to 2 x 2.5 mm² 2C+E TPS cables (service is hard up against slab)

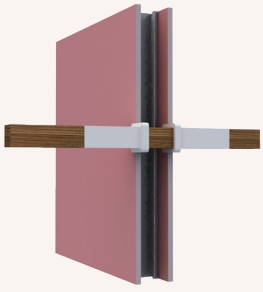
Products
FIREFLYMastic

FRL
V679A | -/60/60 + -/90/90

Up to 2 x 2.5 mm² 2C+E TPS cables (service is hard up against slab)

Products
FIREFLYMastic

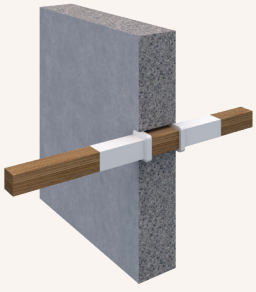
FRL
V679B | -/60/60 + -/90/90



1-off up to 44 mm x 44 mm timber

Products
FIREFLYMastic

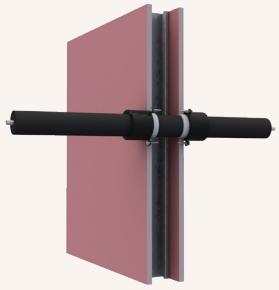
FRL
V680A | -/60/60 + -/90/90



1-off up to 44 mm x 44 mm timber

Products
FIREFLYMastic

FRL
V680B | -/60/60 + -/90/90



1-off up to 25 mm PEX pipe with minimum 25 mm nitrile lagging

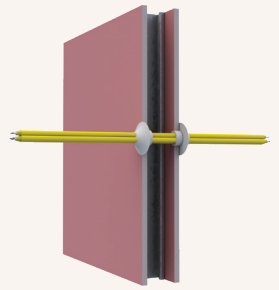
Products
FIREFLYMastic
FIREFLY FRF 80 Collar

FRL
V681A | -/60/60 + -/90/90

1-off up to 25 mm PEX pipe with minimum 25 mm nitrile lagging

Products
FIREFLYMastic
FIREFLY FRF 80 Collar

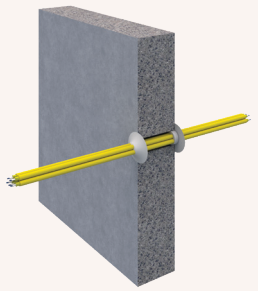
FRL
V681B | -/60/60 + -/90/90



Up to 5 x yellow fibre optic cables

Products
FIREFLYMastic

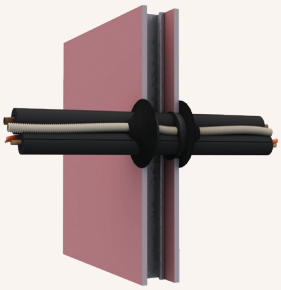
FRL
V682A | -/60/60 + -/90/90



Up to 5 x yellow fibre optic cables

Products
FIREFLYMastic

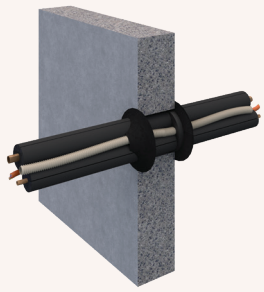
FRL
V682B | -/60/60 + -/90/90



Air con bundle with up to – 1 x 3/8" + 5/8" or 3/4" + 5/8" FR pair coil with minimum 19 mm NBR insulation + 1 up to 18 mm diameter condensate hose + 1 up to 6 mm² PVC 3C + E cable

Products
FIREFLY HP

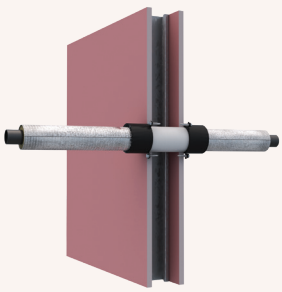
FRL
V683A | -/60/60 + -/90/90



Air con bundle with up to – 1 x 3/8" + 5/8" or 3/4" + 5/8" FR pair coil with minimum 19 mm NBR insulation + 1 up to 18 mm diameter condensate hose + 1 up to 6 mm² PVC 3C + E cable

Products
FIREFLY HP

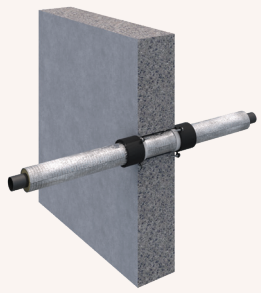
FRL
V683B | -/60/60 + -/90/90



1-off up to 25 mm PEX pipe with minimum 25 mm Thermobreak pipe insulation

Products
FIREFLYMastic
FIREFLY FRF 80 Collar

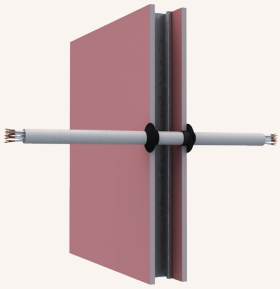
FRL
V684A | -/60/60 + -/90/90



1-off up to 25 mm PEX pipe with minimum 25 mm Thermobreak pipe insulation

Products
FIREFLYMastic
FIREFLY FRF 80 Collar

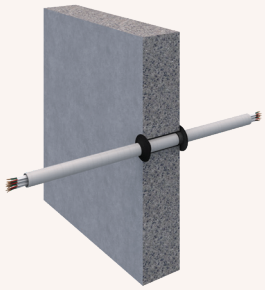
FRL
V684B | -/60/60 + -/90/90



1-off up to 32 mm uPVC conduit with up to 7 x 2.5 mm² 2C+E TPS cables

Products
FIREFLY HP

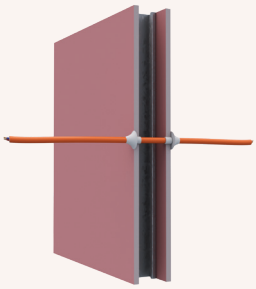
FRL
V685A | -/60/60 + -/90/90



1-off up to 32 mm uPVC conduit with up to 7 x 2.5 mm² 2C+E TPS cables

Products
FIREFLY HP

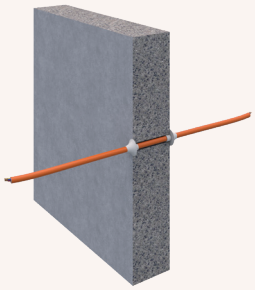
FRL
V685B | -/60/60 + -/90/90



1 x 16 mm² 3C+E PVC cables

Products
FIREFLYMastic

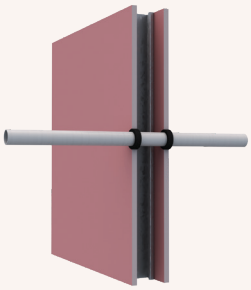
FRL
V686A | -/60/60 + -/90/90



1 x 16 mm² 3C+E PVC cables

Products
FIREFLYMastic

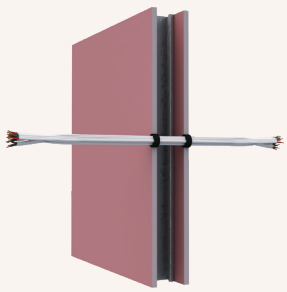
FRL
V686B | -/60/60 + -/90/90



1-off up to 32 mm uPVC conduit (empty)

Products
FIREFLY HP

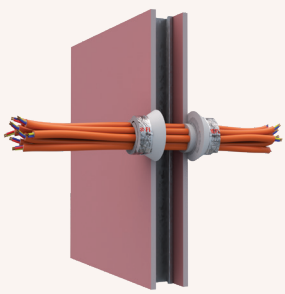
FRL
V687 | -/60/60



Up to 6 x 2.5 mm² 2C+E TPS cables

Products
FIREFLY HP

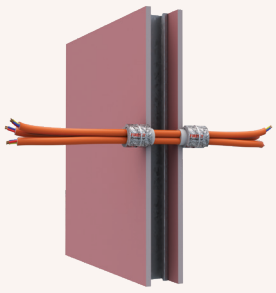
FRL
V688 | -/60/60



Up to 8 x 35 mm² 4C+E PVC cables

Products
FIREFLYMastic
FIREFLY Penowrap

FRL
V689 | -/60/60



Up to 3 x 16 mm² 3C+E PVC cables

Products
FIREFLYMastic
FIREFLY Penowrap

FRL
V690 | -/60/60

FAS190234 RIR 1.15A

The latest release of FAS190234 RIR 1.15A includes new penetration solutions for concrete slabs, ceilings, and shaftwalls, covering installation configurations and access arrangements relevant to the site applications outlined below.

Key highlights include:

- Concrete Slab Top-Side Access: Double pattress installations can now be completed entirely from the top side for FRLs of -/180/180 and -/240/240—allowing installation where access to the underside is restricted.
- Angled & Complex Geometry Bulkheads: Approved angled bulkhead detail options provide configurations that accommodate irregular layouts of service penetrations.
- Aperture Seal Dimensional Interchangeability: Width and height dimensions in aperture seals can now be interchanged without restrictive constraints, providing flexibility in the dimensional arrangement of aperture seals.
- Expanded 2-Way Plasterboard Ceilings: Additional variations for 230 mm thick 2-way fire-rated ceilings provide further configuration options for ceiling installations.
- Shaftwall Configurations: Configurations include solutions for above-ceiling plasterboard + Shaftliner panel walls, as well as standard Shaftliner wall systems commonly encountered in commercial building applications.

Wall system – FR plasterboard face fixed to Shaftliner MP panel capable of -/60/60 or -/90/60

Protection
2 X 50 mm FIREFLYBatt
Aperture seal – Friction fit with Pattress fit

FRL
V181 | -/60/60 or -/90/60 subject to the original FRL of the wall system prior to penetration

Wall system – FR plasterboard face fixed to Shaftliner MP panel capable of -/60/60 or -/90/60

Protection
2 X 50 mm FIREFLYBatt
Aperture seal – Pattress fit from each side

FRL
V182 | -/60/60 or -/90/60 subject to the original FRL of the wall system prior to penetration

Wall system – FR plasterboard face fixed to Shaftliner MP panel capable of -/60/60 or -/90/60

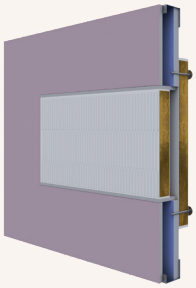
Protection
2 X 50 mm FIREFLYBatt
Aperture seal – Friction fit

FRL
V183 | -/60/60 or -/90/60 subject to the original FRL of the wall system prior to penetration

Wall system – FR plasterboard face fixed to Shaftliner MP panel capable of -/60/60 or -/90/60

Protection
2 X 50 mm FIREFLYBatt
Aperture seal – Pattress fit from one side only

FRL
V184 | -/60/60 or -/90/60 subject to the original FRL of the wall system prior to penetration



Minimum 80 mm thick Shaftliner wall system

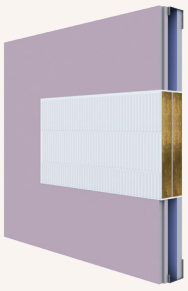
Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Friction fit in plasterboard with Pattress fit in Shaftliner

FRL
V185A | -/60/60

Minimum 80 mm thick Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Friction fit in Shaftliner with Pattress fit in plasterboard

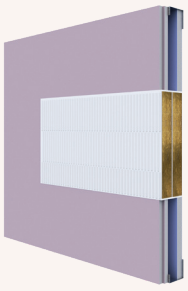
FRL
V185B | -/60/60



Minimum 96 mm thick Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal - Friction fit

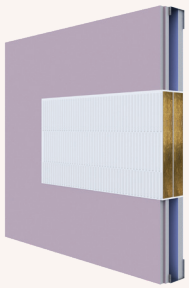
FRL
V186A | -/120/120



Minimum 90 mm thick Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal - Friction fit

FRL
V186B | -/90/90



Minimum 80 mm thick
Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal - Friction fit

FRL
V186C | -/60/60

Minimum 96 mm thick
Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Pattress fit
from each side

FRL
V187A | -/120/120

Minimum 90 mm thick
Shaftliner wall system

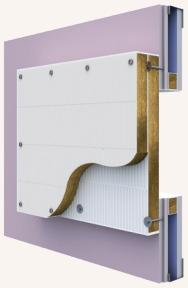
Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Pattress fit
from each side

FRL
V187B | -/90/90

Minimum 80 mm thick
Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Pattress fit
from each side

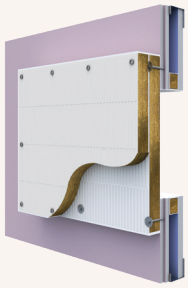
FRL
V187C | -/60/60



Minimum 96 mm thick
Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Pattress fit
from one side only

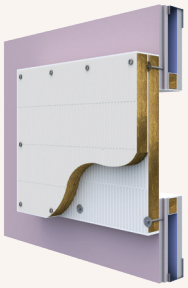
FRL
V188A | -/120/120



Minimum 90 mm thick
Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Pattress fit
from one side only

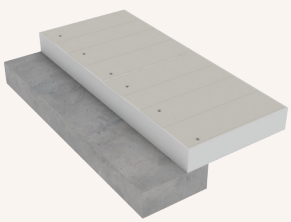
FRL
V188B | -/90/90



Minimum 80 mm thick
Shaftliner wall system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Pattress fit
from one side only

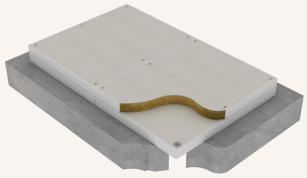
FRL
V188C | -/60/60



150 mm thick concrete slab

Protection
2 x 50 mm FIREFLYBatt
Linear gap seal – Pattress fit
from top side

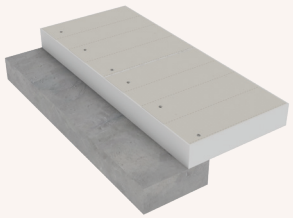
FRL
H80 | -/180/180



150 mm thick concrete slab

Protection
2 x 50 mm FIREFLYBatt
Aperture seal - Pattress fit from top side

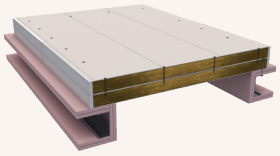
FRL
H81 | -/240/240



150 mm thick concrete slab

Protection
2 x 50 mm FIREFLYBatt
Linear gap seal - Pattress fit from top side

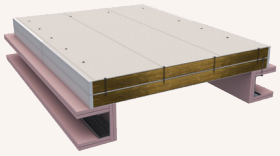
FRL
H82 | -/240/240



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal - Pattress fit from top side

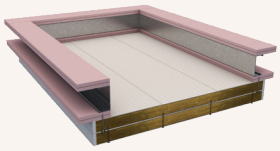
FRL
H83A | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Linear gap seal - Pattress fit from top side

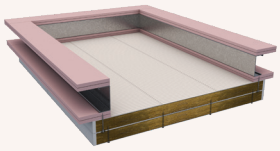
FRL
H83B | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Pattress fit from underside

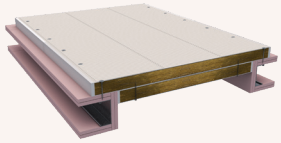
FRL
H84A | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Linear gap seal - Pattress fit from underside

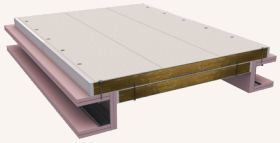
FRL
H84B | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal - Friction fit and Pattress fit from topside

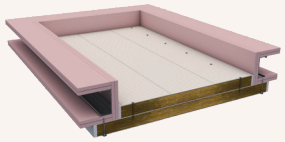
FRL
H85A | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Linear gap seal - Friction fit and Pattress fit from topside

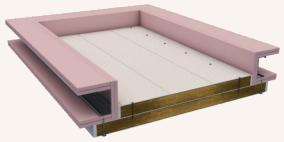
FRL
H85B | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal – Friction fit and Pattress fit from underside

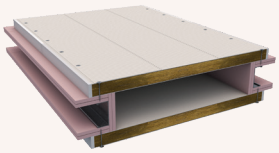
FRL
H86A | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Linear gap seal - Friction fit and Pattress fit from underside

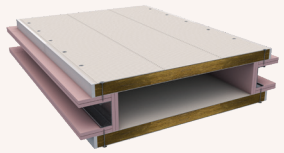
FRL
H86B | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Aperture seal - Pattress fit from top and underside

FRL
H87A | -/60/60 + -/90/90 + -/120/120



230 mm thick 2-way plasterboard ceiling system

Protection
2 x 50 mm FIREFLYBatt
Linear gap seal - Pattress fit from top and underside

FRL
H87B | -/60/60 + -/90/90 + -/120/120

Contact your FIREFLY Account Manager or our customer service team at sales@tbafirefly.com.au to obtain a copy of this report.