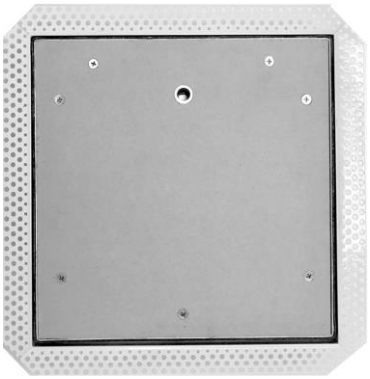
ARROHATCH
FIRE RATED ACCESS PANEL

FRL 60/60/60

INTRODUCTION



ARROHATCH fire rated access panels are designed and tested to meet performance requirements in accordance to British Standards BS 476 Part 22. The door panel is constructed from high performance materials with strong insulation properties against temperature and integrity.

The ARROHATCH FAP60 has fire performance rating of 1 hour (60/60/60) and is designed to fit fire rated ceilings/partitions and opening in concrete structure. Customer has the choice of selecting panels with either set bead surround frame or feathered edge frame depending on requirements.

The FAP60 has a hinged door fixed with heavy duty concealed hinges and secured with budget lock with a square bar key.

APPLICATIONS

ARROHATCH fire rated access panels can be installed to wall or ceiling. Reinforcement of ceiling frame may be required depending on size of access panel and design of ceiling frame. The access panel is best supported independent of ceiling frame.

PRODUCT SIZES

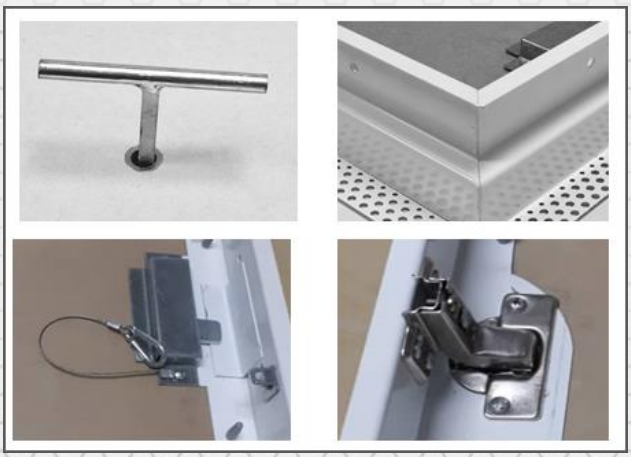
The FAP60 are available in standard sizes. Panels of non-standard sizes can be custom made to order.

Standard Products

Product Code	Description
FAP60 - 3030S	300x300 mm 1 Hour Fire Rated Access Panel Set Bead Surround
FAP60 - 4545S	450x450 mm 1 Hour Fire Rated Access Panel Set Bead Surround
FAP60 - 6060S	600x600 mm 1 Hour Fire Rated Access Panel Set Bead Surround
FAP60 - 3030F	300x300 mm 1 Hour Fire Rated Access Panel Feathered Edge
FAP60 - 4545F	450x450 mm 1 Hour Fire Rated Access Panel Feathered Edge
FAP60 - 6060F	600x600 mm 1 Hour Fire Rated Access Panel Feathered Edge

FEATURES

- ***Strong and robust design***
- ***Heavy duty steel frame***
- ***Low profile door panel***
- ***Easy opening with T-bar key***
- ***Door with Safety wire rope***



Tested by:

TÜV SÜD

For more information, please contact ARROW Steel Sdn. Bhd. I Ph. +60 12 460 0248 I E-mail : sales@arrowsteel.com.my

Installation Guide

Fixing to Ceiling

1. Mark the position of access panel on ceiling lining to suit size of access panel (opening size shall be panel size + 6 mm). Then, cut out the board using a drywall saw.
2. Place a piece of wall stud as trimmer to all four sides of opening as shown and fasten strip of 16 mm thick fire rated plasterboard to web of stud all round in line with edge of opening. Strengthen existing ceiling frame if necessary.
3. Fit access panel into opening from below. Ensure access panel is placed square to opening. Unlock and open hatch to fasten screws through fixing holes provided on the outer frame of access panel. Screws (min. 2 screws per side) are fastened through plasterboard strip into stud trims on all four sides. Do not over drive the screws or it may cause the frame of the access panel to distort.
4. Seal joints between access panel frame and fire rated plasterboard all round with approved fire sealant.

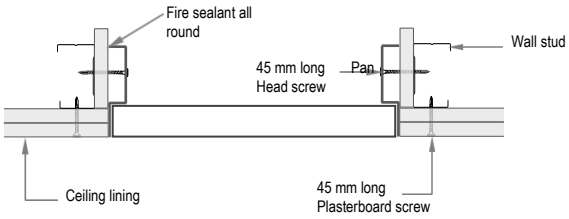


Fig. 1 – Installation of Ceiling Hatch

Fixing to Dry wall

1. Mark position of access panel on the wall to suit size of access panel and then cut out the wall board (opening size : access panel size + 6 mm). Then, cut out the board using a drywall saw.
2. Place a piece of wall stud (set in 16 mm from edge of opening) as trimmers to all four sides of opening as shown and fasten strip of 16 mm thick fire rated plasterboard to web of stud all round in line with edge of opening. Strengthen existing ceiling frame if necessary.
3. Place access panel into opening. Ensure access panel is placed square to opening.
4. Unlock and open door of access panel to fasten screws through fixing holes provided on the outer frame of access panel. Screws (min. 2 screws per side) are fastened through plasterboard strip into stud trims on all four sides.
5. Seal joints between access panel frame and fire rated plasterboard all round with approved fire sealant.

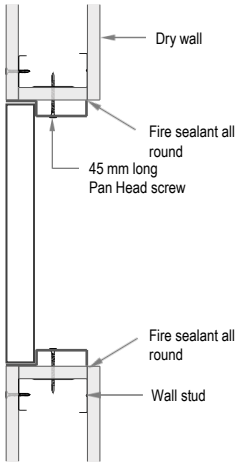


Fig. 2 – Installation of Hatch to Dry Wall

Fixing to Masonry/Concrete wall

1. Mark the position of access panel on wall to suit size of access panel (opening size : panel size + 6 mm). Then, cut outline of opening and then wall to form opening.
2. Clean away debris on opening and place the access panel into opening.
3. Ensure the access panel is placed square and then mark position of anchors on wall with the hatch opened.
4. Remove access panel and drill holes into wall as marked to install anchors (use min. M8x80). Fit access panel back into opening and install masonry anchors in accordance to manufacturer's instructions.
5. Seal joints between access panel frame and fire rated plasterboard all round with approved fire sealant.

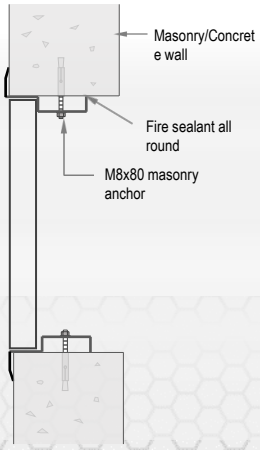


Fig. 3 – Installation of Hatch to masonry / concrete wall

Note : ARROHATCH access panels are supplied packed in paper box. Care must be taken to ensure that sensitive parts of the access panel such intumescent seal on the door is not damaged to maintain the performance of the product.

ARROHATCH
FIRE RATED ACCESS PANEL

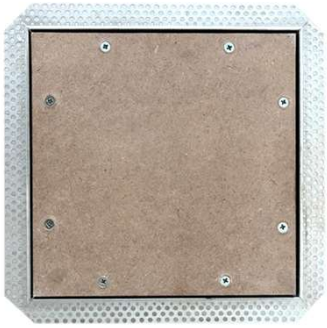
FRL120/120/120

INTRODUCTION

ARROHATCH fire rated access panels are designed and tested to meet performance requirements in accordance to British Standards BS 476 Part 22. The door panel is constructed from high performance materials with strong insulation properties against temperature and integrity.

The ARROHATCH FAP120 has fire performance rating of 2 hour (120/120/120) and is designed to apply to fire rated ceilings/partitions and opening in concrete or masonry substrate. Designers have the choice of selecting panels with either set bead surround frame or feathered edge frame depending on requirements.

The FA120 has a screw fix door panel fitted to a heavy duty galvanised steel outer frame.



APPLICATIONS

ARROHATCH fire rated access panels can installed to wall or ceiling. Reinforcement of ceiling frame may be required depending on size of access panel and design of ceiling frame. The access panel is best supported independent of ceiling frame.

PRODUCT SIZES

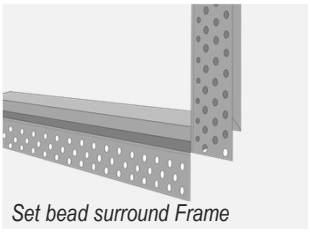
The FAP120 are available in standard sizes. Panels of non-standard sizes can be made to order.

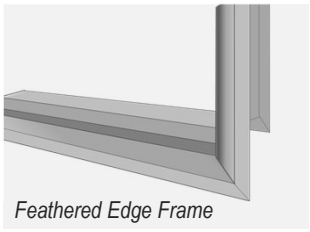
Standard Products

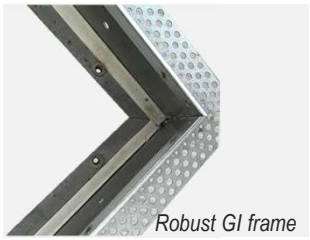
Product Code	Description
FAP120 - 3030S	300x300 mm 2 Hour Fire Rated Access Panel Set Bead Surround
FAP120 - 4545S	450x450 mm 2 Hour Fire Rated Access Panel Set Bead Surround
FAP120 - 6060S	600x600 mm 2 Hour Fire Rated Access Panel Set Bead Surround
FAP120 - 3030F	300x300 mm 2 Hour Fire Rated Access Panel Feathered Edge
FAP120 - 4545F	450x450 mm 2 Hour Fire Rated Access Panel Feathered Edge
FAP120 - 6060F	600x600 mm 2 Hour Fire Rated Access Panel Feathered Edge

FEATURES

- ❑ ***Strong and robust design***
- ❑ ***Heavy duty steel frame***
- ❑ ***Performance guaranteed***


Set bead surround Frame


Feathered Edge Frame


Robust GI frame


Door Panel

Tested by:

SIRIM QAS INTERNATIONAL

ARROHATCH
FIRE RATED ACCESS PANEL

Installation Guide

Fixing to Ceiling

1. Mark the position of access panel on ceiling lining to suit size of access panel (opening size shall be panel size + 6 mm). Then, cut out the board using a drywall saw. If the ceiling frame needs to be cut, ensure the frame is properly supported and reinforced if necessary.
2. Depending on the ceiling design, additional steel sections may be required to support the access panel. Ensure they are hard points all sides of the opening to allow screw fastening of access panel frame.
3. Remove all screws on the access panel and detach the panel from the frame.
4. Fit frame into opening from below. Ensure access panel is placed square to opening. Fasten screws through fixing holes provided on the frame. Screws (min. 2 screws per side) are fastened through plasterboard strip into ceiling frame or any steel sections added on all four sides. Do not over drive the screws or it may cause the frame to distort which will result in difficulty fitting the panel into frame.
5. Seal joints between access panel frame and fire rated plasterboard all round with approved fire sealant.

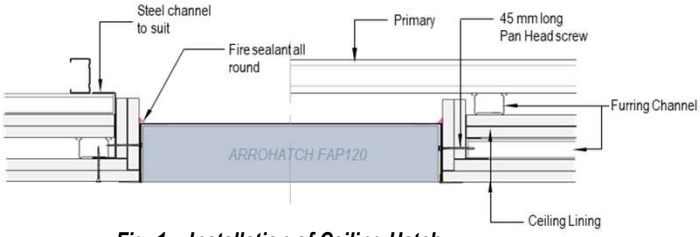


Fig. 1 – Installation of Ceiling Hatch

Fixing to Dry wall

1. Mark position of access panel on the wall to suit size of access panel and then cut out the wall board (opening size : access panel size + 6 mm). Then, cut out the board using a drywall saw.
2. Place a piece of wall stud (set in 16 mm from edge of opening) as trimmers to all four sides of opening as shown and fasten strip of 16 mm thick fire rated plasterboard to web of stud all round in line with edge of opening. Strengthen existing ceiling frame if necessary.
3. Place access panel into opening. Ensure access panel is placed square to opening.
4. Unlock and open door of access panel to fasten screws through fixing holes provided on the outer frame of access panel. Screws (min. 2 screws per side) are fastened through plasterboard strip into stud trims on all four sides.
5. Seal joints between access panel frame and fire rated plasterboard all round with approved fire sealant.

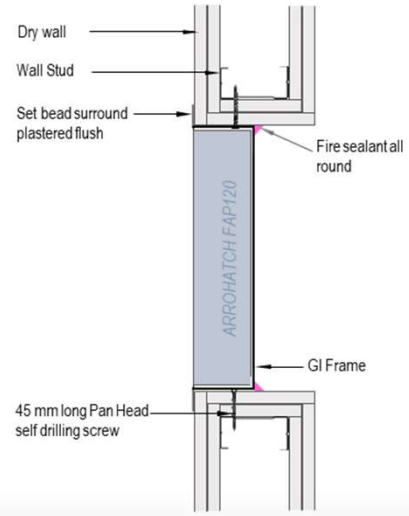


Fig. 2 – Installation of Hatch to Dry Wall

Fixing to Masonry/Concrete wall

1. Mark the position of access panel on wall to suit size of access panel (opening size : panel size + 6 mm). Then, cut along the opening marking with a rotary saw and hack away brickwork/concrete to form opening.
2. Clean away debris on opening.
3. Remove all screws on the access panel and detach the panel from the frame. Place the frame me into the opening.
4. Ensure the frame is placed square and then mark position of anchors on wall.
5. Remove frame and drill holes into wall as marked to install anchors (use min. M8x80).
6. Fit access panel frame back into opening and install masonry anchors in accordance to manufacturer's instructions.
7. Apply fire rated sealant all round to joints between frame and masonry/concrete wall.
8. Fix panel back onto frame by fastening all screws. Tighten screws with equal pressure to ensure the panel fit flat to the frame.

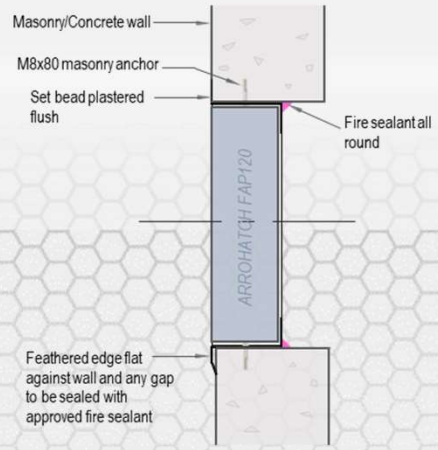


Fig. 3 – Installation of FAP120 to masonry / concrete wall

Note : ARROHATCH access panels are supplied packed in paper box. Care must be taken to ensure that sensitive parts of the access panel such the intumescent seal on the door panel is not damaged in order to maintain the performance of the product.