

# AIRTIGHT ACCESS PANELS



Trafalgar Airtight Access Panels are manufactured in Australia and have been designed for use where there is a need to provide a dustproof or extremely low air leakage rate for cleanroom or pressurised environments.

Trafalgar Pressurised Access Panels allow for an aesthetically pleasing means of providing access into walls and ceilings, and are fully customisable to meet any specification.

## KEY FEATURES



- Australian made quality
- Twin-door design gives ultimate aesthetic finish with no compromise on leakage performance
- Fully welded, pre-primed, and ready for installation
- Fully customisable

## APPLICATIONS



- Health care
- Data centres
- Cleanrooms
- High-efficiency construction
- Laboratories

## TRADES



# TABLE OF CONTENTS

**Click**  
page title to go to  
Page



| Section                     |                                      | Page |
|-----------------------------|--------------------------------------|------|
| Specifications (table)      |                                      | 3    |
| Custom Access Panels        |                                      | 4    |
| System Range - Flanged Edge |                                      | 5    |
| System Range - Wet Wall     |                                      | 6    |
| Specifications              |                                      | 7    |
| Custom Order Form           |                                      | 8    |
| Installation                | Plasterboard                         | 9    |
|                             | Masonry                              | 10   |
|                             | Installation Drawings                | 11   |
| Technical Drawings          | Dustproof - Plasterboard / Masonry   | 13   |
|                             | Low Leakage - Plasterboard / Masonry | 13   |
|                             | Airtight- Plasterboard / Masonry     | 14   |
|                             | Fire Rated- Plasterboard / Masonry   | 14   |
| FAQ                         |                                      | 15   |


# AIR TIGHT PANEL MANUAL



Click  
here to go back to  
Contents

## SPECIFICATIONS



| The Trafalgar Access difference |   |  | Others |
|---------------------------------|---|---|--------|
| Door Panel                      | Visible front door panel uses 1.1mm steel with fully concealed latches for aesthetics.<br>Rear door of 1.1mm steel for weight reduction and airtightness, cam-lock or screw-fixed options depending on leakage specification.   | ✓   | ?      |
| Frame                           | Fully welded steel frame, pre-primed as standard for ease of installation and finishing.<br><br>Anti-microbial powdercoat options available.  | ✓   | ?      |
| Seal                            | Dust proof and anti-microbial seal options available  |   |        |
| Nominally Sized                 | Trafalgar ATP's are manufactured 5mm smaller than the nominal size for ease of installation in uneven openings (i.e. a 600x600mm ATP is designed for installation into a 600x600mm opening).  | ✓   | ?      |
| Hardware options                | Front panel: Invisible touch-latches as standard, lockable options available<br>Rear panel: Cam locks or screw-fixed options depending on leakage specifications  | ✓   | ?      |
| Hinge                           | Front panel – Concealed pin hinges for typical size panels. Larger panels may require a piano hinge for strength.   | ✓   | ?      |
| Range of standard options       | Available with a broad range of standard options: <ul style="list-style-type: none"> <li>• Lock options for front and rear doors</li> <li>• Finishing options – Powdercoating available</li> <li>• Multiple leakage specifications for a range of applications</li> </ul> | ✓   | ?      |
| Customisation Available         | Made in our South Granville, NSW factory and supported by our team of engineers, the Trafalgar ATP can be customised quickly and cost effectively to suit your projects needs   | ✓   | ?      |

*Trafalgar Access also supply a comprehensive range of fire rated, acoustic, customwood, security and specialty access panels.*

PERSPEX

DOUBLE DOORS

**MADE LOCALLY  
MEANS  
VERSATILITY**



SPECIALIST LATCHES

COLOURS

**We can help you  
with your  
special projects!**

OVERSIZED

**Customisation options include:**

Click  
here to go back to  
Contents

- 🔑 A huge range of sizes including odd shapes and oversized
- 🔑 Single and double doors
- 🔑 Flanges, latches, and hinges
- 🔑 Panel material - including stainless steel
- 🔑 Colour options

All this made locally means fast turn around.

Talk to the Trafalgar Team today to design your custom Access Panel.\*

\*Customisation options limited for Acoustic and Fire Rated Access Panel ranges.

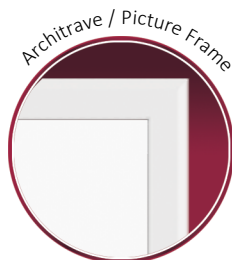
ODD SHAPES



# Frame Type

## FLANGED EDGE (FEATHERED EDGE)

Picture Frame



Frame detail


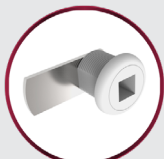
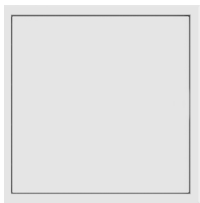









Panel installed  
(ATP Shown)



Click  
here to go back to  
Contents

### AIRTIGHT RANGE

| Model       | Panel FE<br>Panel door + picture frame primed white                                 | Lock  | Item Number                               | Frame Profile (mm) |
|-------------|---|---|---|--------------------|
| Dustproof   |    | Square allen key cam lock<br>  | DPP-FE                                    | 54mm               |
| Low leakage |   | Front panel – Touch latch (concealed)<br><br>Rear panel – Cam lock<br>     | ATP-L-FE                                  | 92mm               |
| Airtight    |  | Front panel – Touch latch (concealed)<br><br>Rear panel – Screw fixed<br> | ATP-FE                                    | 92mm               |
| Fire rated  |  | Budget lock<br>  | FYRESHIELD-FE<br>Or<br>FYRESHIELD PLUS-FE | 87mm               |

Trafalgar can custom manufacture to meet your specifications. Trafalgar also supply a comprehensive range of fire rated, metal, customwood, security and specialty Access panels.



# Frame Type

## WET WALL

### (SET BEAD)

Concealed Frame



Frame detail

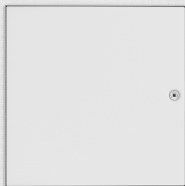
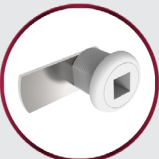
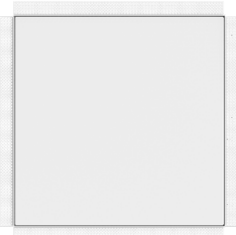


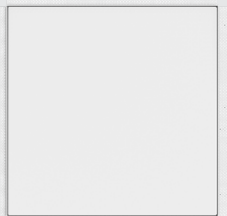






Panel installed  
(ATP Shown)



Click  
here to go back to  
Contents

## AIRTIGHT RANGE

| Model       | Panel FE<br>Panel door + picture frame primed white                                 | Lock  | Item Number                               | Frame Profile (mm) |
|-------------|---|---|---|--------------------|
| Dustproof   |    | Square allen key cam lock<br>  | DPP-WW                                    | 54mm               |
| Low leakage |   | Front panel – Touch latch (concealed)<br><br>Rear panel – Cam lock<br>     | ATP-L-WW                                  | 92mm               |
| Airtight    |  | Front panel – Touch latch (concealed)<br><br>Rear panel – Screw fixed<br> | ATP-WW                                    | 92mm               |
| Fire rated  |  | Budget lock<br>  | FYRESHIELD-WW<br>Or<br>FYRESHIELD PLUS-WW | 87mm               |

Trafalgar can custom manufacture to meet your specifications. Trafalgar also supply a comprehensive range of fire rated, metal, customwood, security and specialty Access panels.



# SPECIFICATIONS



|  | Dustproof  | Low leakage  | Airtight   | Fire rated   |
|--|--|--|--|--|
| Frame specs                                | 1.1mm ZA steel   | 1.1mm ZA steel   | 1.1mm ZA steel   | 1.1mm ZA steel   |
| Frame profile                              | 54mm   | 92mm   | 92mm   | 87mm   |
| Door specs                                 | 1.1mm ZA steel   | Front door- 1.1mm ZA<br>Rear door- 1.1mm ZA              | Front door- 1.1mm ZA<br>Rear door- 1.1mm ZA              | 4mm MDF<br>30mm Maxilite<br>4.5mm FR Hardiflex           |
| Front Door Lock (standard)                 | Square allen key lock  | Invisible touch latches                                  | Invisible touch latches                                  | Budget lock  |
| Front Door Lock options                    | Kaba nightlatch, Silver square cam   | Silver Square Cam, Key Cam, Nightlatch                   | Silver Square Cam, Key Cam, Nightlatch                   | Kaba nightlatch, Screw fixed                             |
| Rear Door Lock (standard)                  | N/A  | Silver square cam  | Screw Fixed  | N/A  |
| Seal                                       | Raven RP120 Perimeter seal   | Kilargo IS1046si Antimicrobial seal                      | Kilargo IS1046si Antimicrobial seal                      | Gee-whiz Intumescent seal                                |
| Leakage performance (L/s) 450 x 450 tested | N/A  | 10Pa: 0.061<br>25pa: 0.115<br>50Pa: 0.187<br>75Pa: 0.248 | 10Pa: 0.006<br>25pa: 0.008<br>50Pa: 0.011<br>75Pa: 0.013 | 10Pa: 0.270<br>25Pa: 0.582<br>50Pa: 0.948<br>75Pa: 1.457 |
| Fire rating                                | N/A  | N/A  | N/A  | Refer to FyreSHIELD Manual                               |
| Hinge                                      | Concealed pin hinge (sizes up to 600 x 600). Larger sizes may require piano hinge  |  |  | Concealed Cupboard hinge                                 |
| Weight 450 x 450                           | 3.5kg  | 7kg  | 7kg  | 8kg  |
| Cut out size                               | Cut out size should be the same size as the access panel.<br>For example, 450 x 450 access panel will have a 450 x 450 cutout  |  |  |  |
| Frame types                                | Flanged Edge (FE) (Feathered Edge or Picture Frame)<br>Wet Wall (WW) (Set Bead or Concealed Frame)   |  |  |  |
| Also available                             | <b>Trafalgar can custom manufacture to meet your specifications. Trafalgar also supply a comprehensive range of fire rated, metal, customwood, security and specialty Access panels.</b> |  |  |  |

Customer to complete for each size panel required. All panels will be manufactured 5mm smaller than the opening size in wall or ceiling to a tolerance of +/-2mm. **It is designed for easy install.**





# INSTALLATION

## AIRTIGHT ACCESS PANELS

### PLASTERBOARD

Click  
here to go back to  
Contents



#### MARK



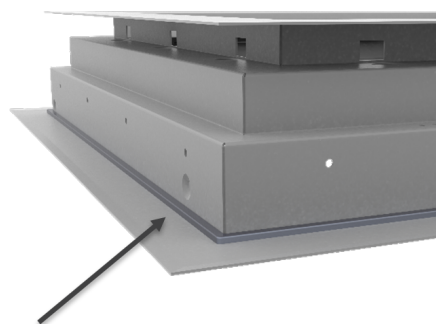
Mark and cut out hole the same size as the access panel nominal size.

For a 600x600mm nominal ATP, the ideal cutout size is 600x600mm.

The opening must be framed with studs / noggings to affix the panel to.



#### PREPARE



Apply a small bead of sealant to the underside of the access panel flange to ensure there is no "flanking" around the panel.



#### FIT



With the door open, screw the frame into the wall/ceiling through the pre-formed fixing holes.

Note: All holes must be used or sealed to ensure airtightness.



#### FIX



Fixings must be appropriate for the wall/ceiling – Min. 8g screws are recommended in the absence of a specified fixing.

# INSTALLATION

## AIRTIGHT ACCESS PANELS

### MASONRY

Click  
here to go back to  
Contents

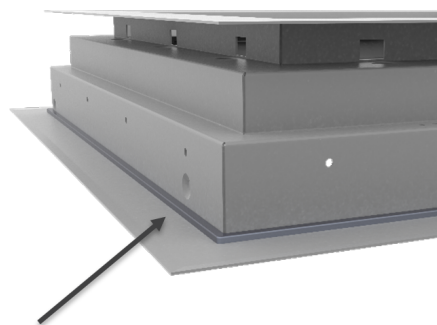
#### MARK



Mark and cut out hole the same size as the access panel nominal size.

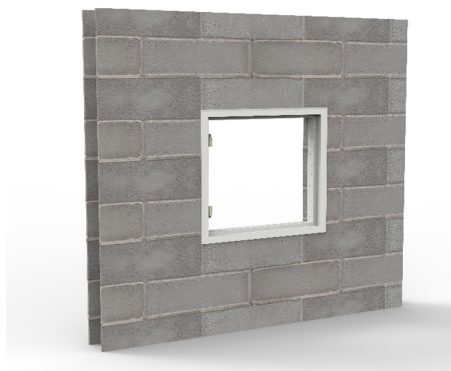
For a 600x600mm nominal ATP, the ideal cutout size is 600x600mm.

#### FIT



Apply a small bead of sealant to the underside of the access panel flange to ensure there is no "flanking" around the panel.

#### FIT



With the door open, screw the frame into the wall/ceiling through the pre-formed fixing holes.

Note: All holes must be used or sealed to ensure airtightness.

#### FIX



Fixings must be appropriate for the wall/ceiling – 6mm masonry anchors are recommended in the absence of a specified fixing.

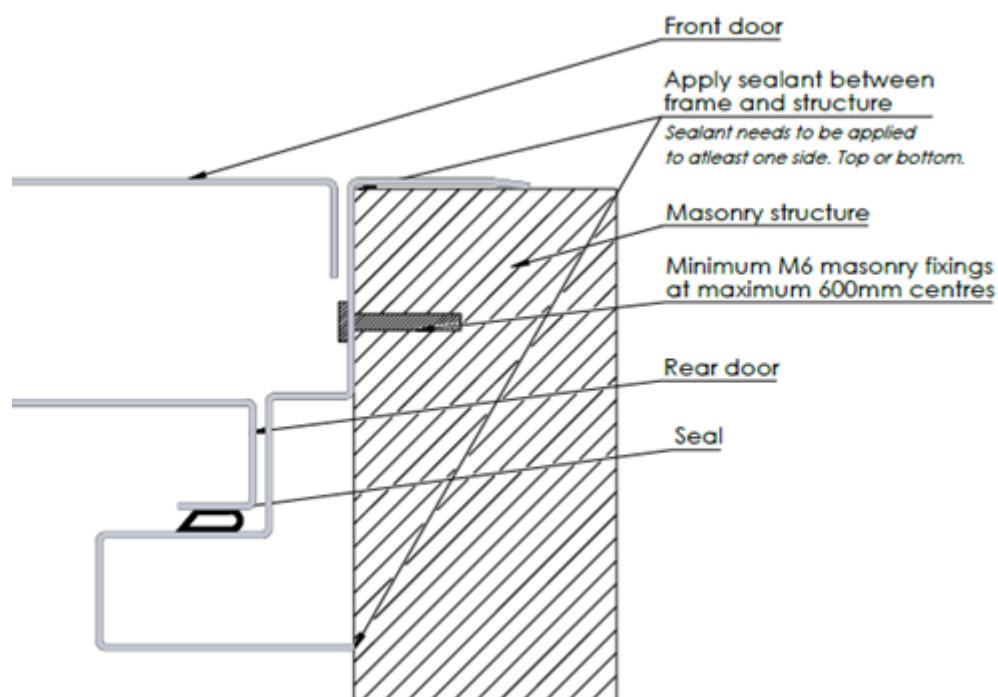
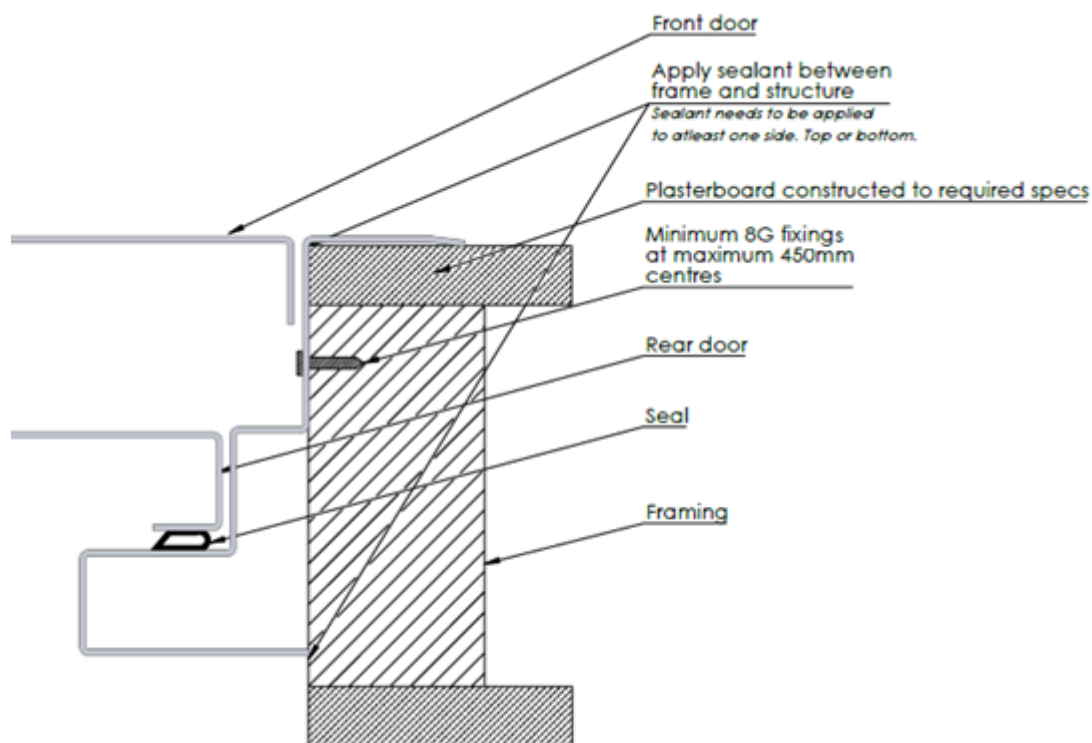
# TECHNICAL DRAWING - INSTALLATION

## AIR TIGHT/LOW LEAKAGE



### AIRTIGHT/LOW LEAKAGE

Installation



Click  
here to go back to  
Contents

# TECHNICAL DRAWING - INSTALLATION

## FIRE RATED



### FIRE RATED

Installation

Please refer to the FyreSHIELD technical manual below:

[https://tfire.com.au/documents/FyreSHIELD\\_Technical\\_Manual](https://tfire.com.au/documents/FyreSHIELD_Technical_Manual)

Click  
here to go back to  
Contents



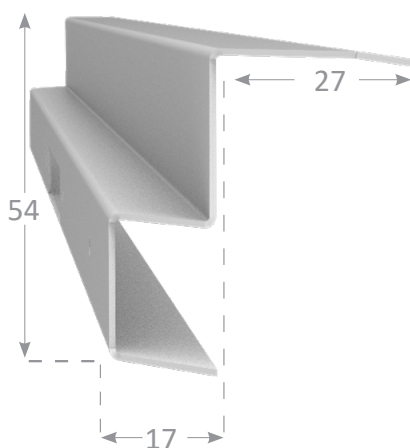
# TECHNICAL DRAWING

Note: All measurements are in millimeters (mm)



## Dustproof

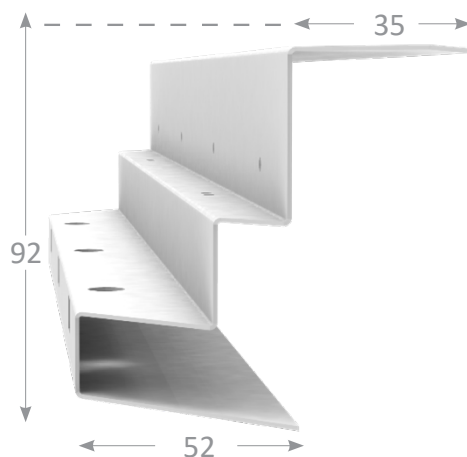
### FULL PROFILE AND INSTALL PROFILE - PLASTERBOARD/MASONRY



Click  
here to go back to  
Contents

## Low Leakage

### FULL PROFILE AND INSTALL PROFILE - PLASTERBOARD/MASONRY



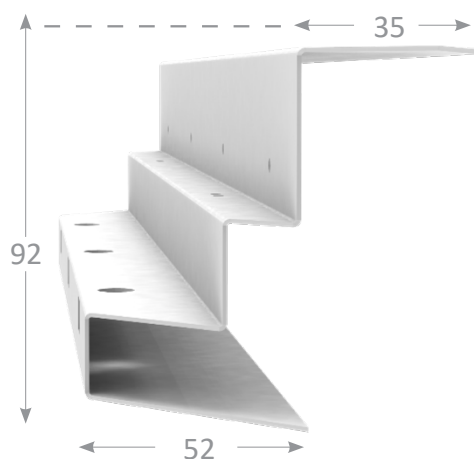
# TECHNICAL DRAWING

Note: All measurements are in millimeters (mm)



## Airtight

### FULL PROFILE AND INSTALL PROFILE - PLASTERBOARD/MASONRY



Click  
here to go back to  
Contents

## Fire Rated

### FULL PROFILE AND INSTALL PROFILE - PLASTERBOARD/MASONRY

Please refer to the FyreSHIELD technical manual below:

[https://tfire.com.au/documents/FyreSHIELD\\_Technical\\_Manual](https://tfire.com.au/documents/FyreSHIELD_Technical_Manual)

## FAQ

**Q Can we install this panel into a floor?**

**A** No, these Airtight access panels are for wall and ceiling applications only.

**Q Does this panel have an acoustic rating?**

**A** Yes, If you require acoustic panels please contact the Trafalgar access team on 1800 888 714 to discuss your requirements.

**Q Can these panels be installed into a fire rated wall or ceiling?**

**A** Yes, we do offer a fire rated airtight access panel. Please refer to our FyreSHIELD technical manual.

**Q Can we receive this panel without the antimicrobial powder coating?**

**A** Yes, please contact the Trafalgar Access team on 1800 888 714 to discuss your requirements.

**Q Can you provide a report of the air leakage test results?**

**A** Yes, please contact the Trafalgar Access team on 1800 888 714

**Q Do these panels comply with PC2 requirements?**

**A** For any PC2 or specific requirements, please contact the Trafalgar Access team on 1800 888 714

Click  
here to go back to  
Contents



## SOCIAL MEDIA

**Linked in**

**YouTube**