RONDO PANTHER® ACCESS PANELS

SUMMARY

The Rondo PANTHER® range of access panels and frames have been rigorously tested for quality and performance with respect to relevant fire or acoustic ratings. The standard Sound Rated Access Panels come with a unique polymer frame, which can be temporarily secured through the face of the frame (yes, even the flanged version) for faster and safer fixing. They are also around 30% lighter which is a big plus for an installer.

The contractor has a range of standard or customer sizes to choose from, as well as a choice of locks, hinges and finishes to meet their design needs.

SUITABLE FOR:

- Sound Rated Applications (R_w30)
- 1 and 2 Hour Fire Applications
- Tiled Access Options

SPECIAL FEATURES

- Standard Sound Rated panels made with a unique polymer frame; 30% lighter
- Selection of surround finishes (Flanged or Set Bead)
- Wide Variety of Locks: key budget lock, numbered key cam, or concealed touch lock
- Five Standard Sizes
- Standard Sound Rated Panels can be face fixed initially, to achieve faster and safer installation
- Sound-Rated and 1 hour Fire-Rated panels over 450mm size are supplied with a safety chain

IN PRACTICE

Many leading projects have benefited from using Rondo PANTHER® Access Panels, including the multimillion dollar serviced apartment complex, *C2 Esplanade in Darwin* and the Five-Star Green Star rated *400 George Street office building in Brisbane*.

IMPORTANT NOTE:
Rondo recommends its products and systems are installed by a qualified tradesperson and according to the relevant codes and standards outlined on page 256 of this manual.

CONTENTS:

IMPORTANT

Our Fire-Rated Access Panels have been tested and approved for use in Ceiling applications only. They are not to be installed in walls
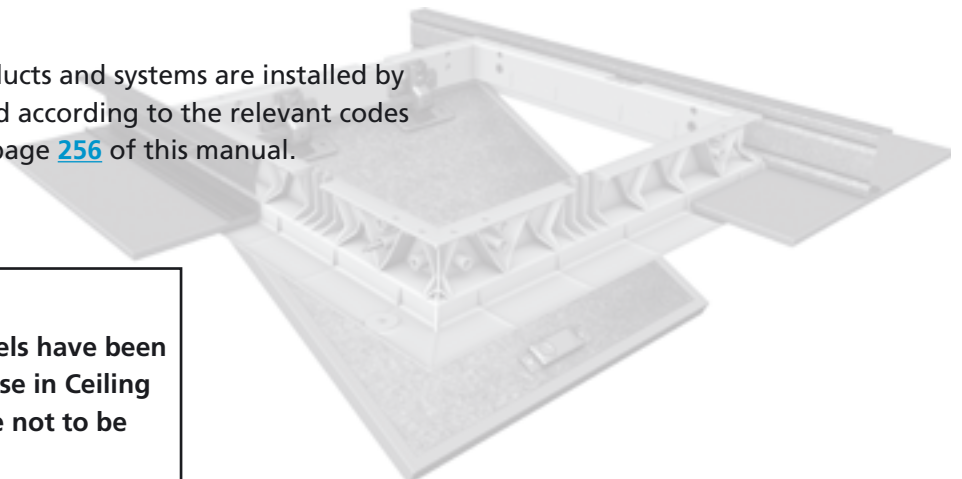
ACCESS PANELS

METAL FACED

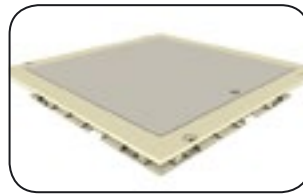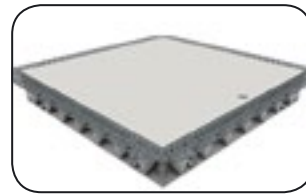|	
MFAP FE	Slimline Metal-face door – Flanged: 300x300/450x450/ 550x550/600x600
MFAP SB	Slimline Metal-face door – Set Bead: 300x300/450x450/ 550x550/600x600

SOUND RATED

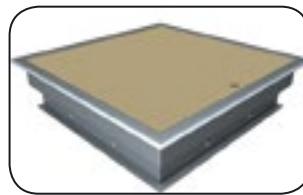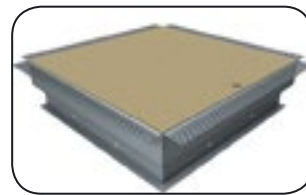|	
SRAP FE	Sound rated, polymer frame – Flanged: 300x300/450x450/ 530x530
SRAP SB	Sound rated, polymer frame – Set Bead: 300x300/450x450/ 530x530

FIRE RATED FOR CEILINGS

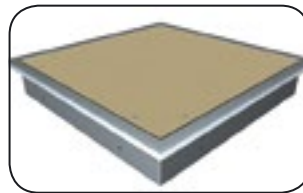|	
FRAP1H FE	1 hour fire rated – Flanged: 300x300/450x450/530x530/ 600x600
FRAP1H SB	1 hour fire rated – Set Bead: 300x300/450x450/530x530/ 600x600
FRAP2H FE	2 hour fire rated – Flanged: 300x300/450x450/530x530/ 600x600
FRAP2H SB	2 hour fire rated – Set Bead: 300x300/450x450/530x530/ 600x600

ALUMINIUM MANHOLE FRAME

AMF3030	White aluminium manhole frame: 300x300/450x450/550x550/ 600x600

MADE TO ORDER:

TILE ACCESS PANEL

SPTP	Special Tile Access Panel

NOTE

Metal Faced, Sound Rated and Fire Rated Access Panels are also available in other custom sizes and made to order. However, frame material and some depth dimensions may vary from the standard product. Contact your local Rondo Sales Office for more details.

METAL FACED

MFAP FLANGED

MFAP SET BEAD

SOUND RATED

SRAP FLANGED

SRAP SET BEAD

FIRE RATED FOR CEILINGS

FRAP 1HR FLANGED

FRAP 1HR SET BEAD

FRAP 2HR FLANGED

FRAP 2HR SET BEAD

ALUMINIUM MANHOLE FRAMES

AMF3030

TILE ACCESS PANEL

SPTP

INSTALLATION DETAILS
Metal Faced Access Panels

STEP ONE
Cut a hole in the lining board to match panel size as marked on box adding 5mm each side to allow for clearance *(refer to Figure 1)*.

STEP TWO
Trim around the opening using 64mm steel studs, screw fixed to the plasterboard.

STEP THREE
Bend the metal fixings tags, located around the inside of the frame, to the vertical position and insert the panel into the opening.

STEP FOUR
Screw fix through the tags into the support framing. Ensure the support framing is securely fixed to the ceiling grid.

STEP FIVE
Finish as required.

Size of opening
(overall size of frame +10mm)
5mm
Size of frame
5mm

■ **CUTTING HOLE IN LINING BOARD**

Fixing tags bent into vertical position

64mm stud support framing

Fixing screw through tag

Setting bead to achieve smooth, flush finish after application of compound, sanding and painting
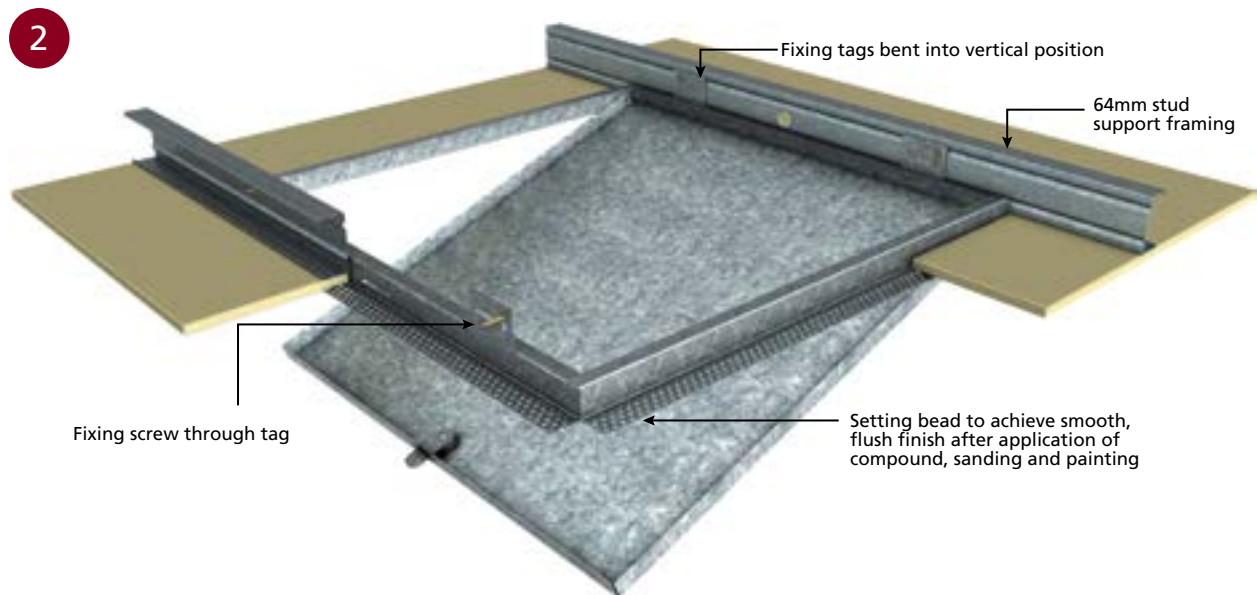
■ **MFAP INSTALLATION**

INSTALLATION DETAILS (continued)

Sound Rated Access Panels

STEP ONE
Cut a hole in the lining board to match panel size as marked on box adding 5mm each side to allow for clearance *(refer to Figure 1)*.

STEP TWO
Trim around the opening using 64mm steel studs, screw fixed to the plasterboard.
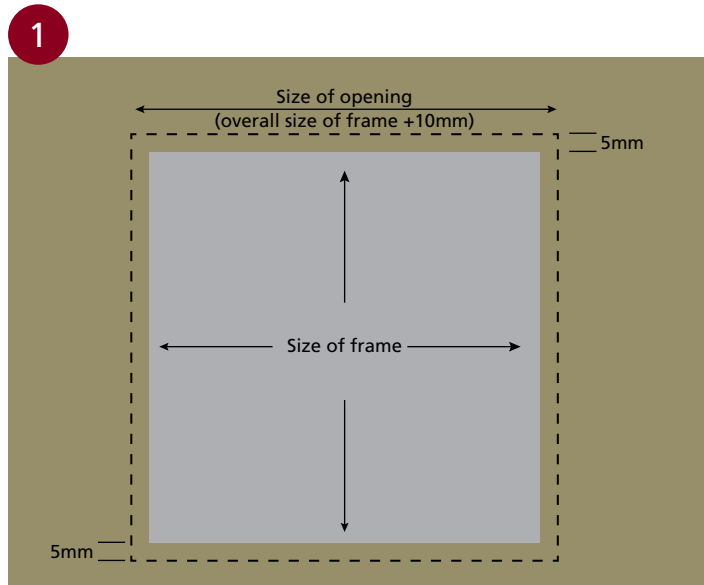
STEP THREE
Without opening the door screw fix the panel to the framing via the pre-formed countersunk holes in the surrounding bead or flange.
NOTE: Ensure support framing is installed so it is an integral part of the ceiling framing and if necessary install additional ceiling hangers.

STEP FOUR
Open the door and install the security screws through the inside of the frame.

STEP FIVE
A bead of appropriate sealant should be applied around the frame before insertion into the opening.

STEP SIX
Install safety chain, if supplied.

STEP SEVEN
Finish as required.
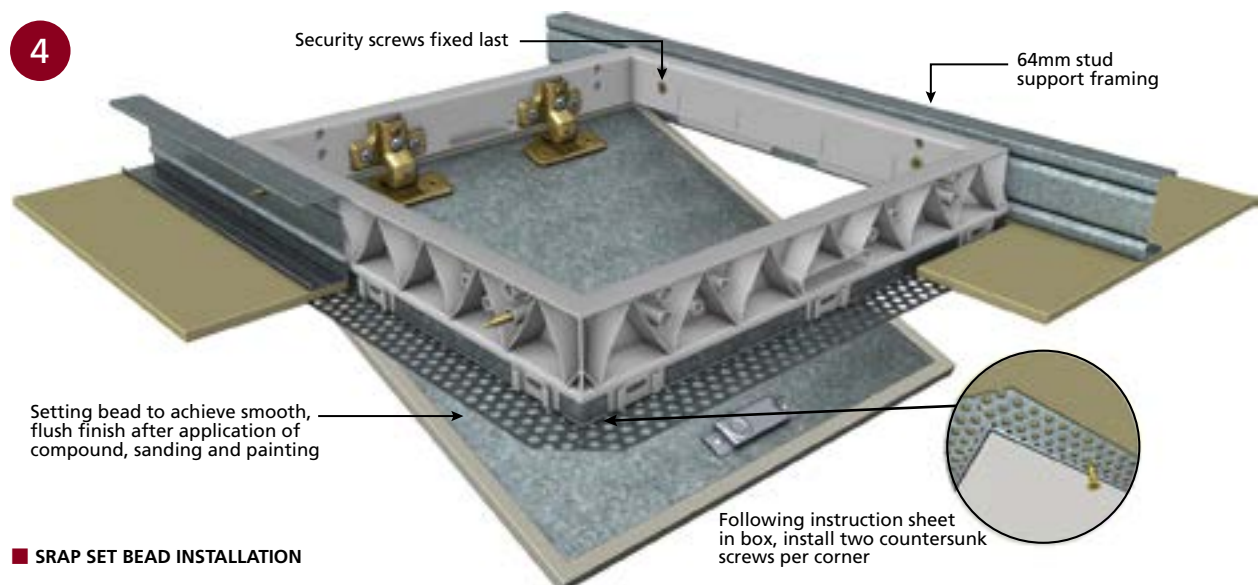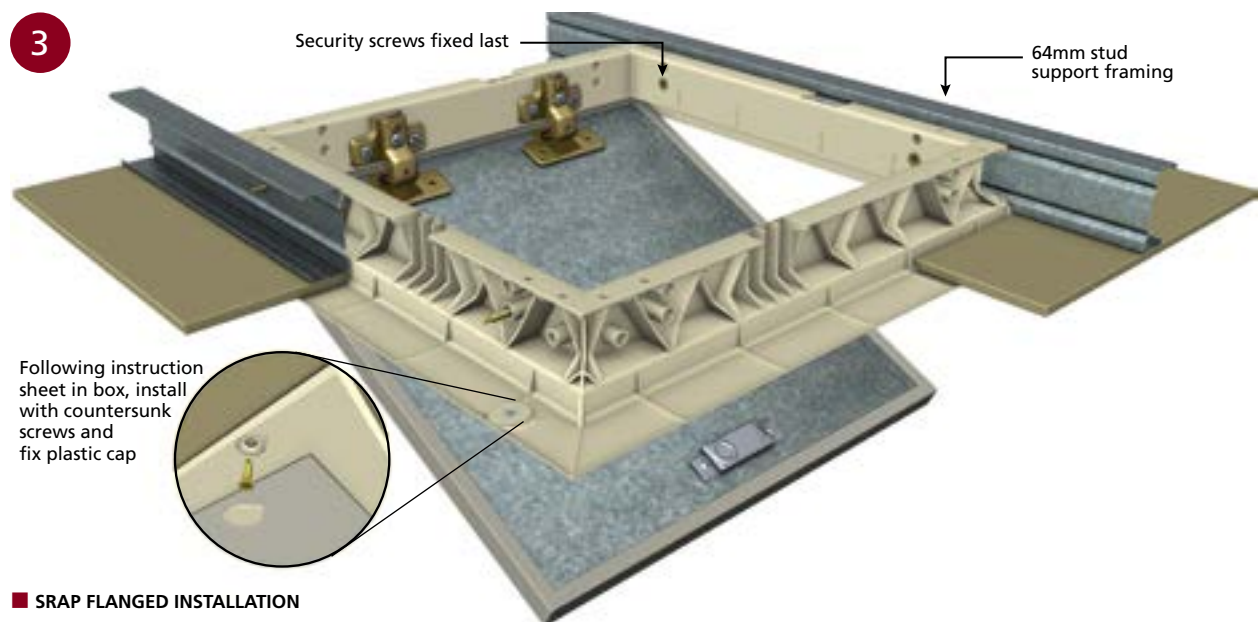
3

Security screws fixed last

64mm stud support framing

Following instruction sheet in box, install with countersunk screws and fix plastic cap

■ **SRAP FLANGED INSTALLATION**

4

Security screws fixed last

64mm stud support framing

Setting bead to achieve smooth, flush finish after application of compound, sanding and painting

Following instruction sheet in box, install two countersunk screws per corner

■ **SRAP SET BEAD INSTALLATION**

Fire Rated Access Panels

STEP ONE
Cut a hole in the lining board to match panel size as marked on box adding 5mm each side to allow for clearance *(refer to Figure 1)*.

STEP TWO
As these panels are heavy, use minimum 76mm stud as support framing so the frame becomes an integral part of the ceiling framework.
NOTE: If necessary install additional ceiling hangers to add support to the ceiling framing.

STEP THREE
Secure the panels by installing fixings screws through the inner face of the frame into the support using a minimum of 2 screws per side to all 4 sides.
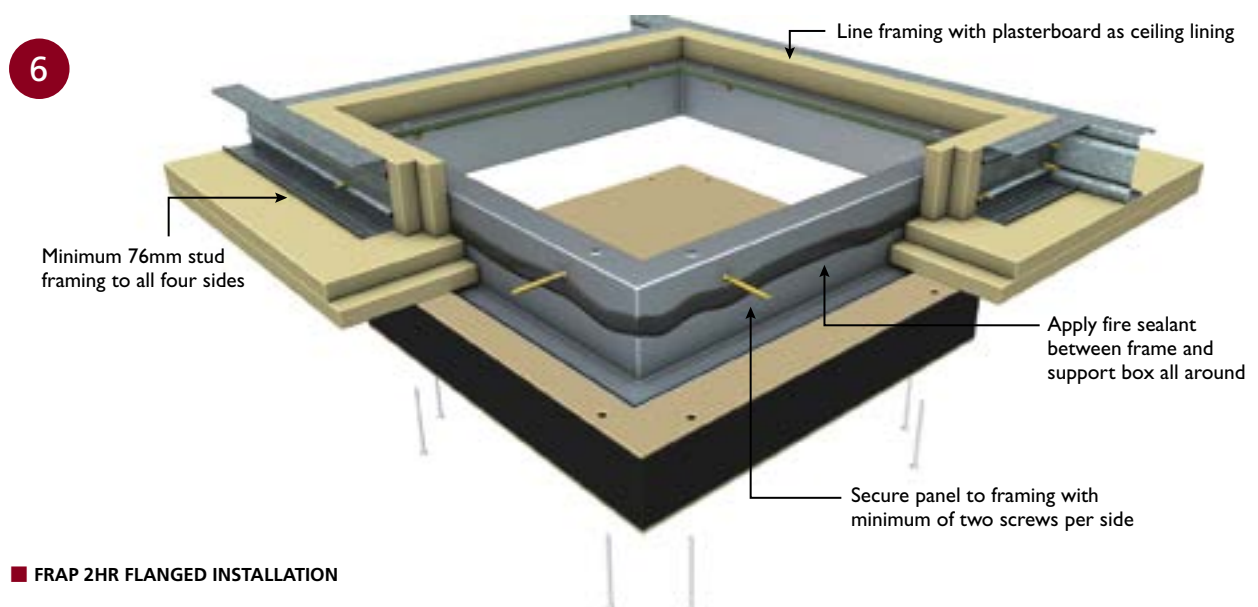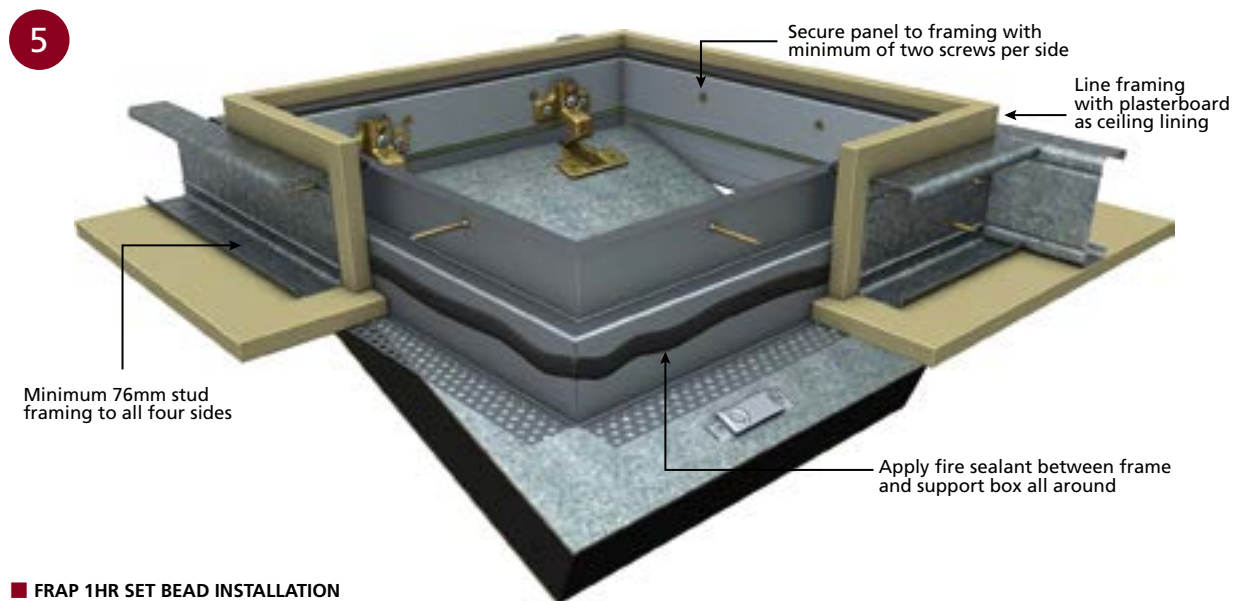
STEP FOUR
Fire resistant caulking material should always be applied around the perimeters of these frames as illustrated.

STEP FIVE
Install safety chain, if supplied.

STEP SIX
Finish as required.

Secure panel to framing with minimum of two screws per side

Line framing with plasterboard as ceiling lining

Minimum 76mm stud framing to all four sides

Apply fire sealant between frame and support box all around

■ **FRAP 1HR SET BEAD INSTALLATION**

Line framing with plasterboard as ceiling lining

Minimum 76mm stud framing to all four sides

Apply fire sealant between frame and support box all around

Secure panel to framing with minimum of two screws per side

■ **FRAP 2HR FLANGED INSTALLATION**
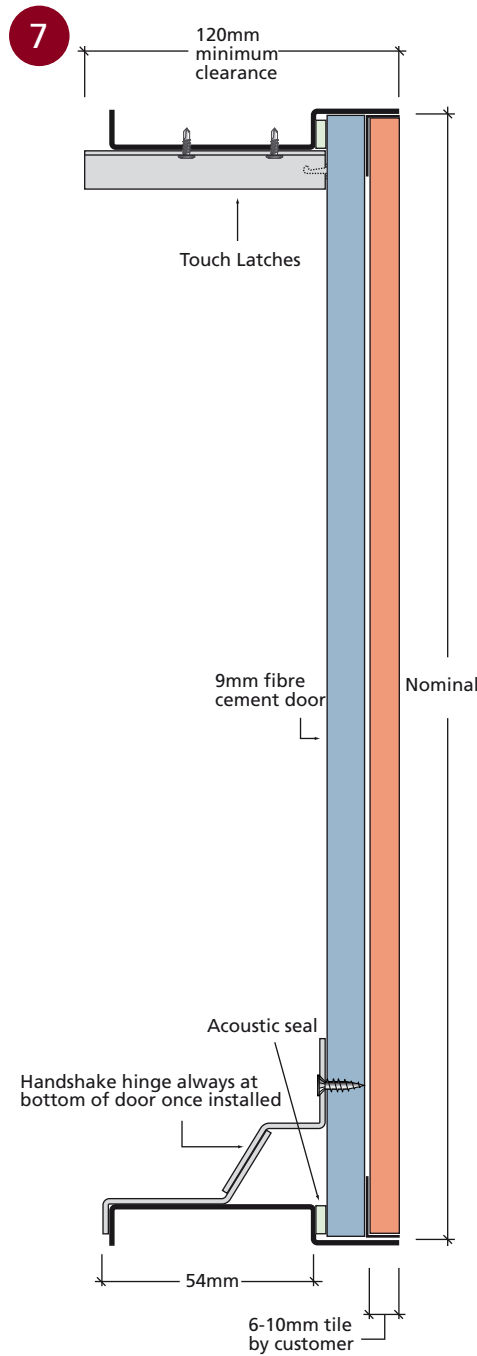
TILE ACCESS PANEL

An access panel designed for a ceramic tiled or panelled wall where access may be required to service plumbing works in the event of leaks, etc. or other concealed services.

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120mm minimum clearance

Touch Latches

9mm fibre cement door

Nominal

Acoustic seal

Handshake hinge always at bottom of door once installed

54mm

6-10mm tile by customer

■ **INSTALLATION DETAIL**

APPLICATION	Walls only, 6mm or 10mm deep tile
PROFILE	Standard Profile 76mm deep (this panel can also be manufactured with a frame depth of 21mm – Budget Lock only)
PANEL FRAME	Precision manufactured from 1mm galvanised steel
PANEL DOOR	9mm CFC with a 0.40mm galvanized backing sheet
LOCKS	Touch Lock only (Touch Lock cannot exceed 600^2)
SAFETY FEATURES	Identification, safety chains and safety labels attached to the inside of the door
STANDARD SIZES	There are no standard sizes in this panel. All Tile Panels are made to order.

IMPORTANT INFORMATION:

Hinge arrangement is always placed at bottom of penetration, not at side. (i.e. 450H x 600W 10mm tile panel will have the hinge on the 600 dimension.) This prevents the panel from falling out of the wall, due to the fact that the locks are at the top of the panel and hinges are always at the bottom of the panel.

When nominating a panel for tiling:

1. If a panel 300mm square is nominated, this is overall frame size, therefore tile must be trimmed.
2. If a 300mm square tile is not to be cut, then an overall panel of 307mm square is required. This allows the tile to fit within the steel trim, but the overall panel will be in line with outside of grout lines.

HARDWARE OPTIONS

BUDGET LOCK
Standard lock for MFAP, SRAP & 1 Hour FRAP *(Note: FRAP & SRAP square key lock back sealed)*

■ **SQUARE KEY BUDGET LOCK**

CAM LOCK*
Alternative keyed lock for SRAP Panels only, two keys supplied per panel, all panels are supplied keyed alike or can be supplied with differing keyed barrels.

■ **NUMBERED KEY CAM LOCK**

TOUCH LATCH*
Supplied for MFAP & SRAP panels only and up to 450x450 size only. Panels have two latches for added security.

■ **CONCEALED TOUCH LATCH**

MAGNETIC CATCH*
Supplied for SRAP 300 x 300, 450 x 450, and 530 x 530 sized panels only.
By placing the magnetic key beneath the lock, the latch is released and the door will open. Removing the key allows the latch to spring back and the door is closed by simply pushing it into position until it `clicks' closed.
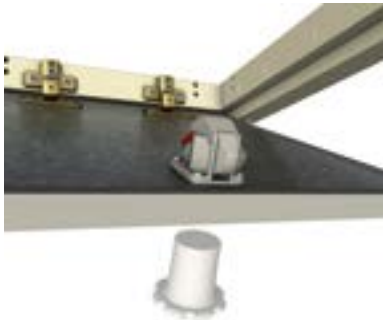
■ **MAGNETIC CATCH**

NOTE
Rondo also supplies a range of special panels that are suitable for high security institutions, hospitals, and lift motor room access. Enquiries on Rondo special panels can be made to a Rondo Sales Office.

* These locks are supplied by order, requiring lead times, and are at an additional cost.