MADA GYPSUM

ACCESS PANEL
NON FIRE RESISTANT

INSTALLATION MANUAL

Edition 02. 2025

TABLE OF
CONTENTS

RISK ASSESSMENT
RECOMMENDATIONS*

Hazard	Safety Controls
General health & safety	1. Installer should be informed of specific health and safety requirements in context via joining Instructions.
Hand tools	1. All workers should be properly trained regarding tools and provided with hand tools that meet relevant safety requirements. 2. Tools should be inspected by supervisors at regular intervals & damaged/defective tools to be taken out of use immediately. 3. The installer is instructed by joining instructions and provided with all necessary PPE.
Power tools	1. Site Supervisor to provide training & demonstration on power tools operation & safety. 2. Cables should be routed away from aisles and walkways where they could create trip hazards to other persons. 3. Periodically check tools for damage/defects and where necessary take out of action and label "Do not use".
Manual handling	1. All materials to be stored in approved and agreed locations within a working area. 2. Forklift truck/pallet truck to be provided for transport of large pallets and waste skips. 3. PPE to be worn when mixing plaster, this includes goggles, dust mask, overalls, safety shoes.
Working at height	1. Demonstration by a certified individual in the safe use of: erection, securing, stabilizing steps, hop ups, trestles. 2. Provision of safe means of access to steps, hop ups, trestles. 3. Use of warning signs at all access points to the work area where work is being carried out above ground level.
Materials	1. All materials are stored in an approved location within a working area 2. MSDS to be displayed in the storage area. 3. Site Supervisor to instruct / explain the safe handling of materials. 4. The worker informed of personal hygiene requirements, wash hands after use/contact and before eating, drinking, and smoking.
General house keeping	1. Worker given verbal instructions to maintain clean/tidy up individual workplaces during and after work times. 2. Tools/equipment to be stored in lockable toolbox. 3. Wet/damp sweeping techniques to be used for general cleaning of work area to control dust levels.

* It is the sole responsibility of the contractor to conduct an appropriate risk assessment for the site.

GENERAL
DETAIL

Access Panel allows easy access to ductwork damper controls, electrical junction boxes, plumbing cleanouts, and valves concealed behind drywall.

Benefits

- Provides permanent access to anything concealed behind the drywall.
- Allows easy adjustment and control.
- Easily removable.
- Works with all types of drywall.

Product description

- An aluminum frame with swiveling and fully detachable hatch.
- Self-activating drop catch.
- Customized sizes are available on request.

Order Information

Required specifications for ordering:

- Size of the access panel (w x h).
- Mounting component, e. g, ceiling, partition.
- Cladding thickness.
- Access panels for tiling:
  Specify tile dimensions (w x h), joint width, adhesive thickness, tile thickness and cladding thickness.

Properties

- One type for ceilings and walls.
- Removable door panels with safety cables
- Consistent, continuous surfaces with factory-installed gypsum board inlay
- Easy installation with common trowel tools
- Concealed hardware (frame, latch, & hinge)
- Universally suitable for various cladding thicknesses.
- Small opening displacement of the lock and low installation depth in the cavity.
- Suitable for subsequent installation in finished walls/ceilings.
- Accurately fitting with tiling in sanitary facilities.
- Great for Mechanical Access, HVAC Access, Fan Coil Access, and Electrical Access.

Construction

- Select access panels considering cladding thickness of the Mada Plus systems.
- Access Panels consist of a firm outer aluminum frame, and a swiveling and fully detachable hatch. They are equipped with screw-fixed face board.
- A joint width of only approx. 1.5 mm is visible between the outer frame and the hatch when fully mounted.
- Installation requires additional substructure with trimmer profiles. The access panels are suitable for subsequent installation in finished walls/ceilings.

EXECUTION OF ACCESS PANELS INTO MADA Plus
CEILING SYSTEM

Installation

- Create an aperture in the Mada Plus ceiling that is 6 mm bigger on all sides than the access panel size. Fix extra Steel Angle supports that are connected to the structure at least 75mm outside of each corner of the trimmed aperture.

- Once the trimmed aperture is square and secure, apply the plasterboard lining, cut the board neatly to the trimmed opening.

- Place the entire panel assembly within the opening and fasten it with Mada Drywall screws into the Furring Channel and Suitable Packers through the beaded frame's face, the plasterboard, and the plaster. Make sure the panel is square and that there is a consistent space on all sides between the door and the panel frame. Screws should be inserted into the beaded frame at 150mm intervals, 25mm from each corner on both sides. To avoid compromising the final quality, make sure the screws draw the frame tightly against the board and that the countersunk heads do not protrude.

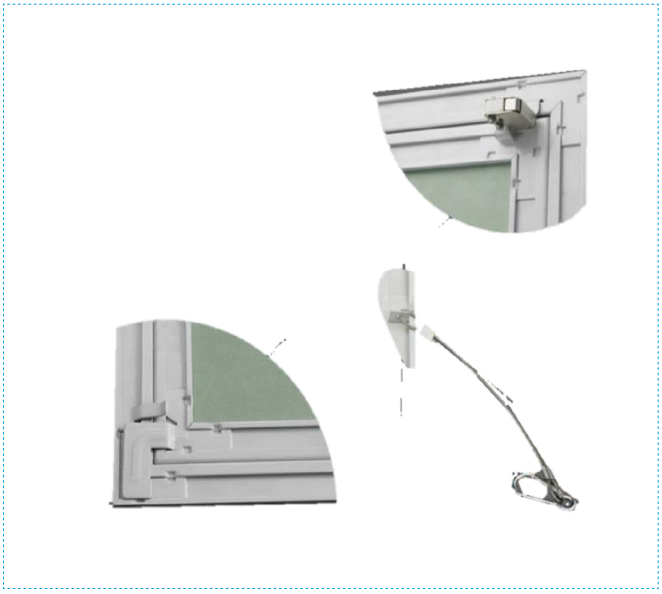
- Additional fixings are required for panels larger than 600x900mm; reduce screw centers to 75mm.

- Once the frame has been secured, open the door and release the set screws holding the hinge to the frame. Take the weight of the door and remove it from the frame, storing it safely with the set screws for refitting later.

- Check that none of the screw heads are protruding from the beaded frame and then proceed with either jointing or finishing with plaster skim.

- When finishing is complete, refit the door ensuring the gap between the door and frame is equal all round before tightening the set screws.

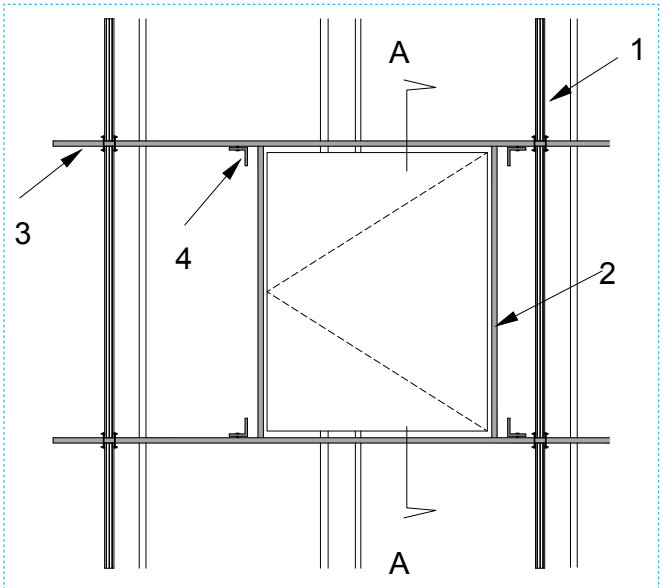
- The door is supplied factory finished. Decorate only the face of the door, not the sides. This ensures that no excess material bridges the gap between door and frame which will affect the visual appearance of the finished panel and possibly impair the operation of the door.



EXECUTION OF ACCESS PANELS INTO MADA Plus CEILING SYSTEM

Plan view

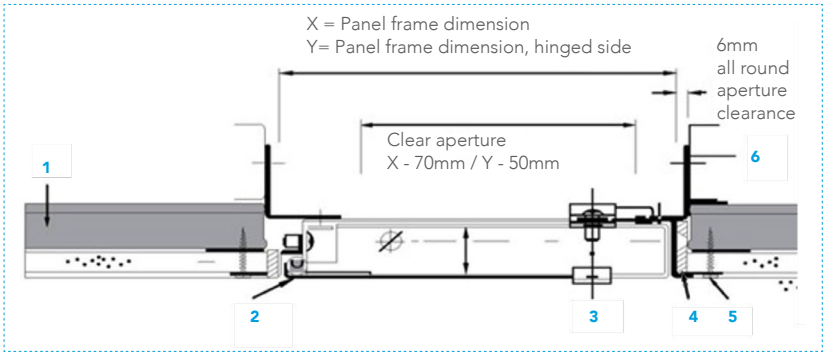
1. Furring Channel
2. Additional Framing Metal
3. Main Channel
4. Wall Angle



Section A-A

Key

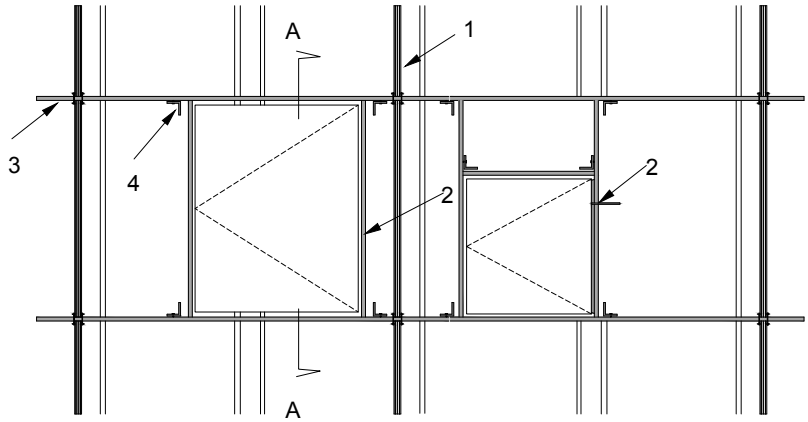
1. Mada Plus suspended ceiling
2. Continuous concealed hing
3. Budget lock
4. Suitable packers
5. Beaded frame flange to accept joint and tape finish or plaster
6. Additional riveted support angles maybe required on larger ceiling panels or where location does not suit standard fixing position (for panels larger than 600x900mm)



EXECUTION OF ACCESS PANELS INTO MADA Plus
CEILING SYSTEM

Plan view

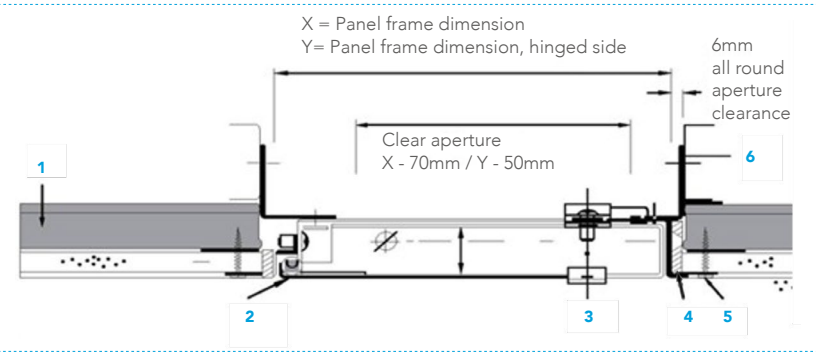
1. Furring Channel
2. Additional Framing Metal
3. Main Channel
4. Wall Angle



Section A-A

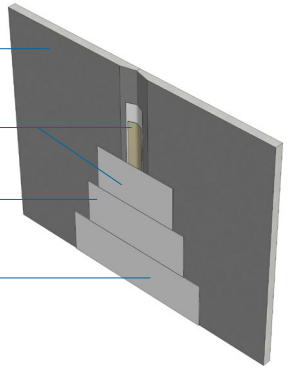
Key

1. Mada Plus suspended ceiling
2. Continuous concealed hing
3. Budget lock
4. Suitable packers
5. Beaded frame flange to accept joint and tape finish or plaster
6. Additional riveted support angles maybe required on larger ceiling panels or where location does not suit standard fixing position (for panels larger than 600x900mm)



JOINTING & FINISHING
WORKS

Tapered Edge Board Jointing



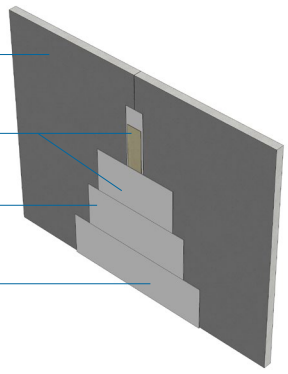
Mada Plasterboard

Bedding coat (150mm) using Mada tape bedded in to Mada All-Purpose Jointing Compound

Second coat (200mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (300mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Square Edge Board Jointing

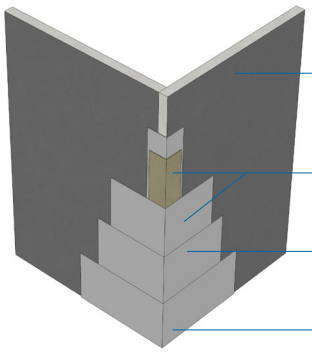


Mada Plasterboard

Bedding coat (300mm) using Mada tape bedded in to Mada All-Purpose Jointing Compound

Second coat (400mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (500mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond second coat



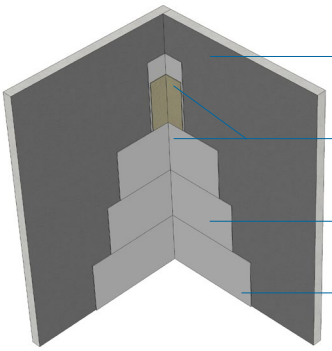
External Corner Joints

Mada Plasterboard

Bedding coat (150mm each side) using Mada Metal corner tape bedded in to Mada All-Purpose Jointing Compound

Second coat (200mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (300mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond second coat



Internal Corner Joints

Mada Plasterboard

Bedding coat (100mm each side) using Mada tape bedded in to Mada All-Purpose Jointing Compound

Second coat (125mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (150mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond second coat

MADA GYPSUM

Head Office: P.O.Box 31542, Yanbu Al Sinayah 51000 Kingdom of Saudi Arabia
Tel.: + 966 14 325 3253 I Fax: + 966 14 325 0420

www.madagypsum.com