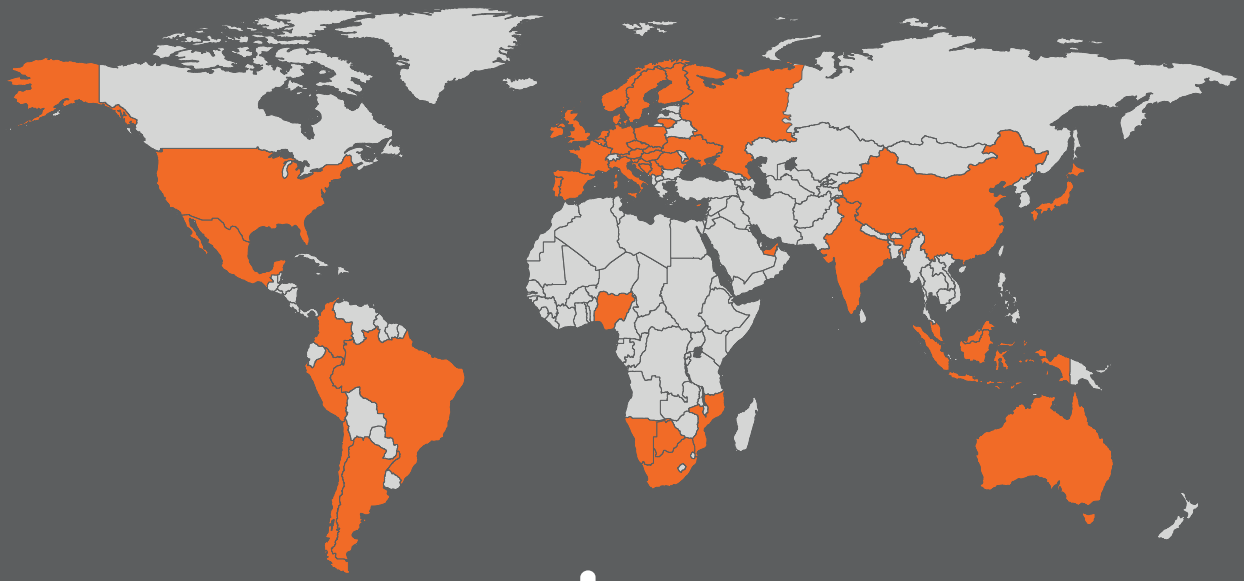
MARLEY
Building Systems

Partitioning Solutions



etex
inspiring ways of living

Marley Building Systems is part of ETEX, a Belgian industrial group that manufactures and markets high quality building materials and systems.

We are a leader in sustainable and affordable building solutions. To meet these needs and anticipate new trends, we have developed a strategy based on our four core businesses: cladding and building boards in fibre cement and plaster, roofing materials, passive fire protection and high performance insulation. This has earned us a place in the market as a leading supplier of high quality and affordable roofing, cladding and construction products.

With Marley Roofing's more than 60 years industry experience we aim to not only supply products and services that redefine building methodology, but also give complete peace of mind

SABS ISO 14001 SABS OHSAS 18001

MARLEY BUILDING SYSTEMS PRODUCT PORTFOLIO

Marley Building Systems' product portfolio includes all types of concrete and clay tiles, fibre cement slates, profiled roof sheeting, fibre cement and gypsum based cladding, ceiling and partition solutions and decorative façades.

With over over 60 years' experience, we have industry knowledge that is second to none and can offer our customers complete confidence in the products and services we provide.

Marley Building Systems' market leading products deliver a combination of eco-friendly materials and surpasses all performance demands.

EQUITONE

Fibre Cement Façades

Kalsi

Fibre Cement Ceiling & Cladding Solutions

siniat

Gypsum Ceiling & Partition Solutions

MARLEY Roofing

Concrete Clay & Fibre Cement Roofing Solutions

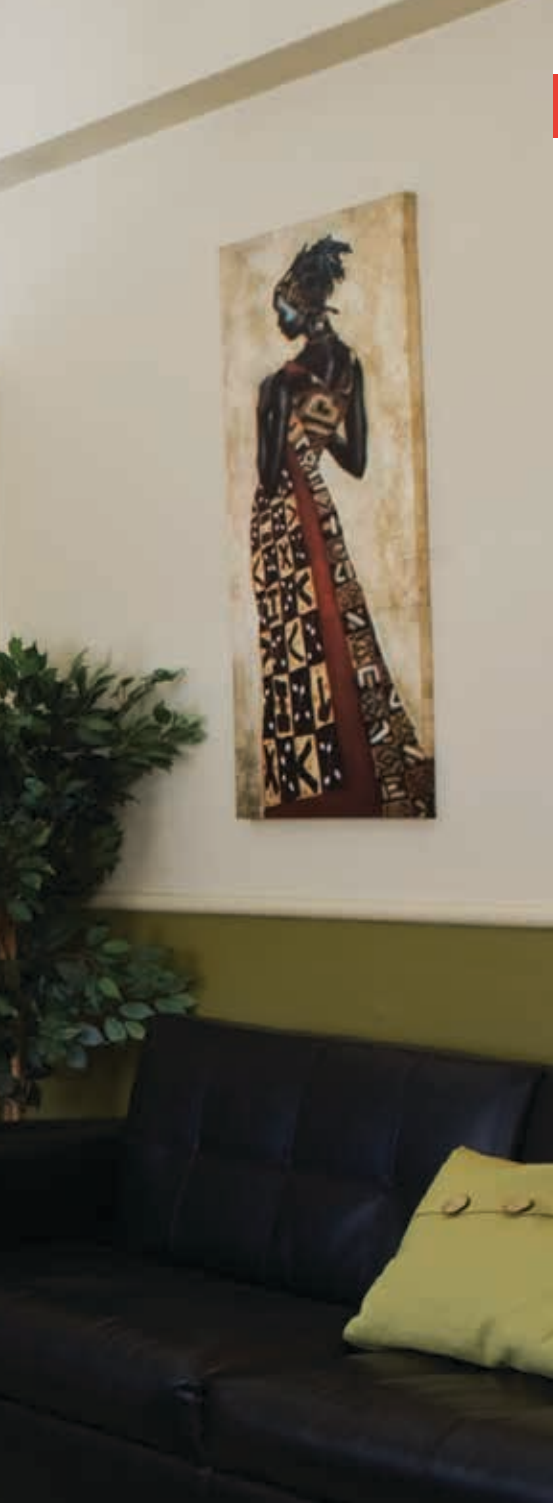
Promat

Passive Fire Protection Solutions

SINIAT
PARTITIONING SOLUTIONS

siniat

MARLEY
Building Systems



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THE QUESTION OF QUALITY VERSUS SPEED HAS ALWAYS BEEN A CONTENTIOUS ONE IN INTERIOR DESIGN. ECONOMICS AND DEMAND REQUIRE BUILDINGS TO GO UP QUICKLY AND AFFORDABLY, WHICH COULD COMPROMISE QUALITY.

SINIAT PLASTERBOARD

siniat

Siniat Plasterboard consists of an aerated gypsum core encased in and firmly bonded on both sides with special plasterboard liner, rendering a smooth yet highly functional surface. Special characteristics of gypsum provide the outstanding advantages over other flat sheet materials.

The board is fabricated by a modern automatic process with the supervision of highly experienced engineers and chemists.

The question of quality versus speed has always been a contentious one in interior design. Economics and demand require buildings to go up quickly and affordably, which could compromise quality.

Siniat Plasterboard: Designed for internal walls, ceilings and partitions in residential and commercial buildings, is quick and easy to install, while still being durable, recyclable, aesthetic and of superior quality without the necessary drying time for alternate wet trade solutions.

WANT TO KNOW WHAT SEPARATES A
GREAT INTERIOR FROM THE AVERAGE?

HIGH QUALITY, ECOSPECIFIER LISTED,
SINIAT PLASTERBOARD

PLASTERBOARD PRODUCT RANGE

There are three types of Siniat Plasterboard available from Marley Building Systems: Standard, Fire Resistant and Moisture Resistant.

Siniat Standard Plasterboards are exceptionally versatile and lightweight. They can be used for domestic and commercial ceiling applications as well as walling/partitioning applications. Siniat Plasterboard is also used to make prefabricated bulkheads, curved ceilings (barrel) and radiused walls among other innovative applications. Siniat Plasterboard is a durable, versatile product that is clean and recyclable.

When combined with our Siniat Ceiling Grid suspension system or our Steel Brandering, an extremely flat ceiling surface is achieved.

Siniat Firecheck Plasterboard is recommended for drywalling in kitchens and areas where additional fire resistance is required.

All of our Siniat Plasterboards are tested at SABS Pretoria Fire Testing facility to SANS 10177 part 2 - 2005. Walls can be designed to suit your fire rating requirements up to a 2 hour fire rating.

Siniat Moisture Check Plasterboard is recommended for use in all wet areas such as bathroom showers, as well as locations with high humidity levels. Siniat Moisture Check Plasterboard is supported with special additives in the core, to retard the absorption rate of moisture, ensuring that the Siniat Plasterboard maintains its high performance level over time.

Our boards have two different edges:

1. Square Edge (S.E.) for coverstrip jointing; visible butt jointed panelling with clamp fixing and fee suspension.

2. Tapered Edge (T.E.) for smooth and seamless jointing; jointless wall and ceiling panelling.

Siniat Plasterboard Dimensions

	Thickness (mm)	Width	Length (mm)	Weight kg/m² (Approx)	Use
Square Edge	6.4	1 200 900	2 400; 2 700; 3 000; 3 300; 3 600 4 200	5.50	Ceilings
	9		*S/E can be manufactured to order with minimum quantities*		
	12	1 195	2 400; 2 700; 3 000	9.50	Partitions

	Thickness (mm)	Width	Length (mm)	Weight kg/m² (Approx)	Use
Tapered Edge	9	1 200	2 400; 2 700; 3 000; 3 600 3 300	7.30	Ceilings
	12	1 200	2 400; 2 700; 3 000; 3 300; 3 600	9.50	Partitions

Marley Building Systems goes to great lengths to ensure that the end-user receives quality products. Testing at the South African Bureau of Standards is an ongoing process and every effort is made to ensure testing is as close to site conditions as possible.

Some of the most important tests are as follows:

Fire resistant SANS 10177 part 2 – 2005
Here a wall measuring 2.7 by 2.7m is placed in the opening of a furnace, and fired up to simulate actual fire conditions. The wall is subjected to this fire and heat for a limited duration of time as per our request - i.e. 30 minutes/60 minutes or 120 minutes, depending on the system being tested.

The wall must be able to meet three important criteria, namely Fire Stability (load bearing capacity), Fire Integrity (tightness against flame, gas and other leakages) and Fire Insulation (180 degrees plus ambient is the cut-off limit), before a fire rating can be issued to the system.

Other Tests:

- Gridlock deflection - SANS 7228/158EMT01
- Sag Test BS 8290
- Sag Test TDC M03-TDC-022D
- SANS/ASTM 367-89
- 7228/013/MT01/REVA
- 5544/158C/MT01
- 7228/158C/MT01
- 7228/112A/MT01
- Pull Test Siniat - TDC M02-TDC-023-D

Storage and Handling of Siniat Plasterboard

1. Siniat Plasterboard should be stacked flat on a dry and smooth area to avoid ground dampness.
2. Use wooden bearers as supports.
3. 6,4mm board = 50 / stack
   9mm board = 80 / stack
   12mm standard = 2,7m = 60
   15mm standard = 40
   =3,3m = 60
   =3,6m = 60
   15mm board (FC + MR) = 40
4. No more than 5 stacks should be piled over one another. The bearers of each stack must be aligned.
5. The Siniat Plasterboards should be kept indoors. If outside storage is temporarily required, cover the Siniat Plasterboards with plastic or waterproof canvas.
6. Siniat Plasterboard should be carried on its edges in an upright position by two people, rather than flat. 1 to 2 Siniat Plasterboards can be carried at a time.

SINIAT PLASTERBOARD PARTITIONS

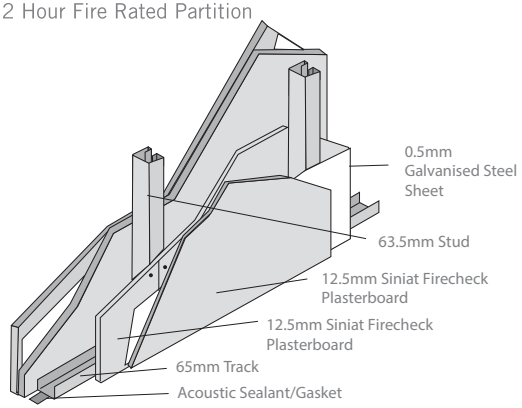
Partition Installation Using a Siniat Ridgeback Steel Stud and Track

1. Install the galvanised steel stud by laying floor tracks horizontally on floor and ceiling and fix in place.
2. Insert studs vertically in tracks and leave space between each stud at 400 or 600mm intervals. The studs are held in place by friction.
3. Attach 12mm tapered-edge Siniat Plasterboard into steel studs by driving the 25mm Drywall screw into it. The space between each screw should not exceed 220mm.
4. Conceal the joint corner and screw dimple with Siniat Jointing Compound. Allow for setting time, then smooth.

Installation of Siniat Firecheck Plasterboard

For use in office partitioning, residential internal walling, shopping centres, hotels, hospitals, schools and the like, a 2 hour fire rating or a safe/secure wall is required.

2 Hour Fire Rated Partition



Application Details:

- Set 63,5mm studs spaced at 600mm intervals into 65mm track at floor and ceiling.
- Apply a base layer of 12,5mm Siniat Firecheck Plasterboard vertically to each side using 25mm Drywall Screws spaced at 220mm intervals.
- Fix a layer of 0,5mm galvanised steel sheeting using 25mm drywall screws.
- Apply the face layer of 12,5mm Siniat Firecheck Plasterboard vertically to each side using 41mm Drywall Screws spaced at 220mm intervals.
- Use Siniat Fibatape and Siniat Jointing Compound over the joints.
- All joints are to be staggered.
- Acoustic enhancement requires sealing between track, floor, ceiling and any other abutment joints.

PARTITION:

1. The length of screw for fixing Siniat Plasterboard to metal stud is equal to the thickness of Siniat Plasterboard plus 10mm.
2. If the length of the partition is more than 15m, at every 15m interval an expansion joint must be used in order to prevent cracking.
3. Always leave about 10mm space from the floor to prevent dampness from creeping up the Plasterboard.
4. In high humidity areas, use the Siniat Moisture Check Plasterboard.

CURVED SURFACE INSTALLATION OF PARTITIONS

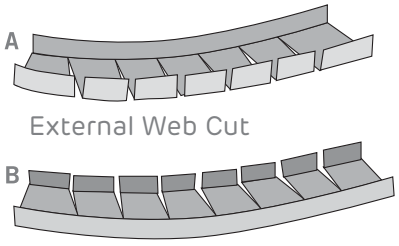
Siniat Plasterboard can be curved into many forms to fit various desired interior wall and ceiling designs.

Framing Installation:

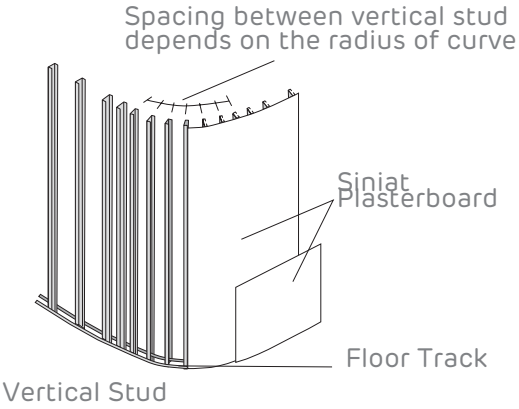
The horizontal steel track can be prepared in two ways, using either the internal or external arc web cuts.

1. Cut one leg and web of top and bottom steel stud at 50mm intervals for the length of the arc. Leave about 400mm of uncut steel studs at end of arc.
2. Bend tracks either as A or B to form curve of desired radius (90mm max arc).
3. Attach the steel track to structural elements at floor and ceiling. Position vertical studs, with open side facing the same direction and engaging floor and steel studs.

Curved Surface Installation



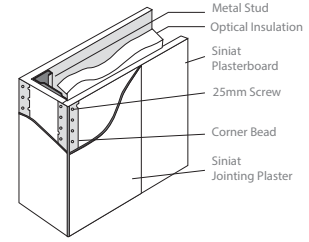
Aviation Snips



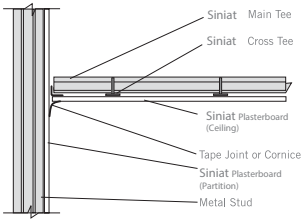
Apply sufficient Siniat Jointing Plaster over the screw head to achieve a smooth surface. Allow 30 minutes for the plaster to set. Apply the second coat (if required) and leave it for 2 hours. Smooth with sand paper.

EXTERNAL CORNER CONCEALING FOR PARTITIONS

1. A corner bead is used for reinforcing the corner of a Siniat Plasterboard partition.
2. Cut the corner bead to the same length as the partition height.
3. Attach it to both sides of the corner.
4. Fix 25mm Drywall Screws along the corner bead at every 100mm interval on both sides.
5. Conceal both sides of the corner bead with Siniat Jointing Compound approximately 3mm thick. Leave for 70 minutes to set.
6. Apply the second coating about 300mm wide from the corner edge.
7. Allow 24 hours after second coating, smooth with 80 grit sandpaper.



External Corner Fair End Concealing



Finished joint between wall and ceiling

CUTTING SINIAT PLASTERBOARD

Siniat Plasterboard has a unique snap-effect which allows for easy cutting of the board and can be cut by using two methods.

Using a sharp cutter

1. Draw a line on the board.
2. Cut the board by first scoring on the face side through the paper to the core (a straight edge helps).
3. The board is then snapped back away from the cut face.
4. The back paper can be broken by snapping the board in the opposite direction, or by scoring with a utility knife.
5. Sand all cut edges.

Using a saw

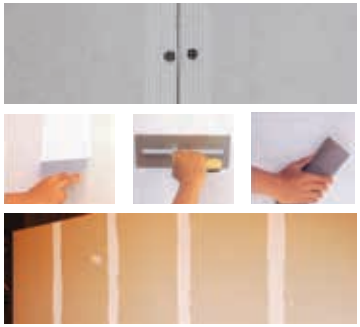
1. Draw a line on the board.
2. Saw the board by a fine tooth saw.
3. Sand all cut edges.

Snap Siniat Plasterboard and cut other side of paper

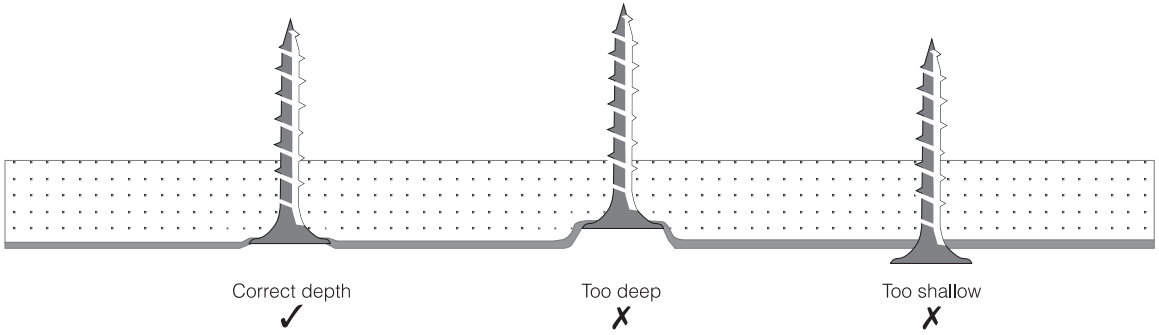
JOINT CONCEALING

There are three steps to concealing joints:

1. Centre the Siniat Fibatape on the joint and press it down with the scraper to ensure the Siniat Fibatape adheres firmly.
2. Apply a coat of Siniat Jointing Compound onto the Siniat Fibatape using a scraper to even the surface and to ensure the plaster flows into the Siniat Fibatape. Allow 70 minutes to set.
3. Clean the joint surface with the edge of a trowel and apply the second coat. Allow 24 hours for the plaster to dry thoroughly. Smooth the joint by sanding to achieve a monolithic surface.



DEPTH OF DRYWALL SCREWS



SINIAT FIXED PARTITION

Siniat Drywall is a lightweight non-demountable partition system which has no visible joints on completion. The internal framework consists of standard Ridgeback Stud and Drywall Track profiles manufactured from galvanised steel. Tapered edge plasterboards are screw fixed to the studs allowing for plaster jointing. Paint or wallpaper finishes can then be applied for a joint free wall of subtle quality.

Attractive Slimline Glazing Mullions and transoms can be created by clip fixing the required aluminium male section onto its four-legged female partner which has already been fixed into position.

Door Frame Kits are supplied premitred and with optional lock cutouts. Full height Door Frames clip directly onto the Aluminium Female ceiling trim by means of the Male Aluminium Door header. Standard door frame kits have both styles and header manufactured from four-legged Female Aluminium Door Frame sections. It is recommended that for additional stability when erecting full height doors, the Ridgeback Stud should be boxed onto the open side of a Floor Track prior to fixing (the Female Door Frame Section).

The four-legged Female partition solutions Aluminium Door Frame, Glazing and Termination Sections are positively fixed to the galvanised steel Ridgeback Studs by means of pop rivets or screws. This ensures sturdy framing for the Plasterboards and strong support for the clip-on Male Aluminium sections.

The Aluminium Glazing Bead which carries a neat Bubble Seal Gasket (or optional woolpile) easily clips into place after the glass has been positioned, leaving an attractive Aluminium shopfront type finish, having slim and clean lines. The Bubble Seal Gasket will accommodate glass thickness from 4mm to 6mm. (nominal thickness).

Fire rating: Siniat Drywall (89mm partition) has a 30 minute fire rating as per SABS 0177: Parts-2005. For further details as well as information on 60 minutes plus fire ratings please consult with our technical staff or refer to the technical manual..

All Siniat Aluminium sections may be Powder Coated or Anodised to complement the decorated finish of the boards. Aluminium Skirting or recessed base can be similarly treated to match or contrast as required.

CONNECTING SINIAT PARTITION SOLUTIONS

Ridgeback Stud

51mm for 76mm partition
64mm for 89mm partition
58mm for 89mm partition
102mm for 126mm partition
102mm for 132mm partition

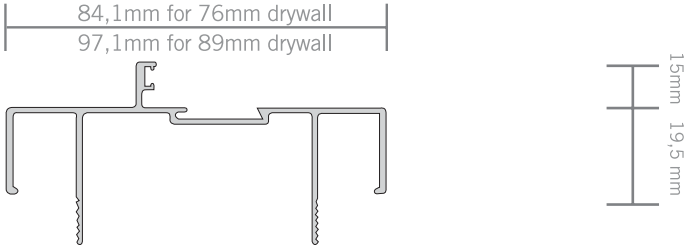
Drywall Track

51mm track
58mm track
64mm track
102mm track

Siniat Aluminium Framing

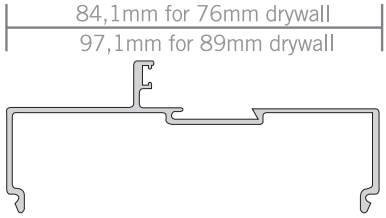
- The Siniat Drywall System consists of Male and Female Aluminium extrusions.
- Female Sections support and position the Siniat Plasterboard as in conventional drywalling.
- Male Sections are clip fixed to the Female Sections to form Glazing Mullions and Transoms, Door frame to Glazing details and to facilitate full height Glazing and full height doors. Bubble Seal Gasket (which is used for both Door frame and Glazing Sections) is to be inserted before constructing the frames.

FEMALE ALUMINIUM SECTIONS



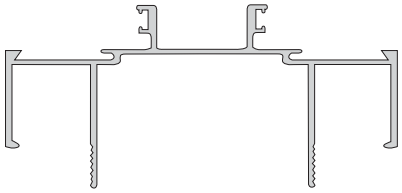
Glazing Section
Die 6668 for 76mm (12mm board)
Die 6679 for 89mm (12mm board)
Die 6677 for 89mm (15mm board)

MALE ALUMINIUM SECTIONS

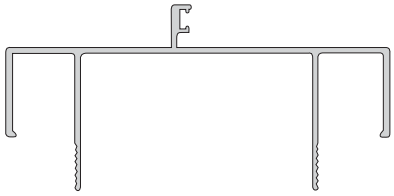


Glazing Section
Die 6667 for 76mm
Die 6678 for 89mm

FEMALE ALUMINIUM SECTIONS

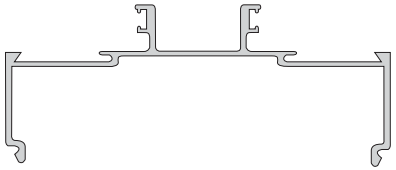


Double Glazing Section
Die 6680 for 76mm
Die 6676 for 89mm

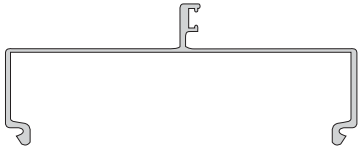


Door frame
Die 6059 for 76mm (12mm board)
Die 6159 for 89mm (12mm board)
Die 6633 for 89mm (15mm board)

MALE ALUMINIUM SECTIONS



Double Glazing Section
Die 6681 for 76mm
Die 6682 for 89mm



Door frame
Die 6163 for 76mm
Die 6164 for 89mm
(header for full height doors only)

FEMALE ALUMINIUM SECTIONS

Termination
- head channel
- wall channel
Die 6060 for 76mm (12mm board)
Die 6160 for 89mm (12mm board)
Die 6632 for 89mm (15mm board)

MALE ALUMINIUM SECTIONS

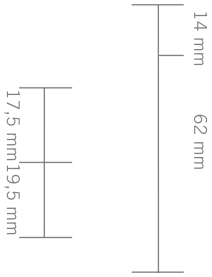
Termination
Die 6056 for 76mm
Die 6161 for 89mm

ALTERNATIVE ALUMINIUM

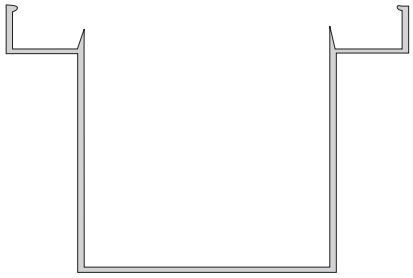
ALTERNATIVE ALUMINIUM HEAD AND BASE SETS

Female Recessed Head
Die 165 for 76mm / Die 6166 for 89mm

54mm for 76mm drywall
67mm for 89mm drywall



Female Recessed Base
Die 6206 for 76mm / Die 6207 for 89mm



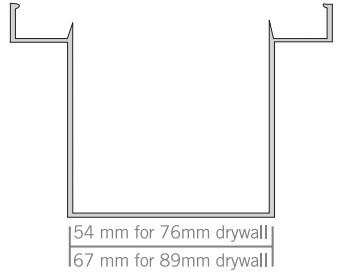
54mm for 76mm drywall
67mm for 89mm drywall

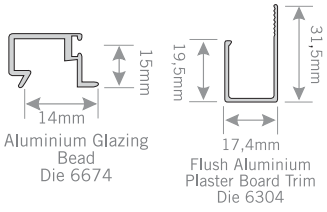
ALTERNATIVE ALUMINIUM SECTIONS

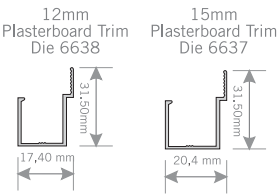
ALTERNATIVE ALUMINIUM HEAD AND BASE SETS

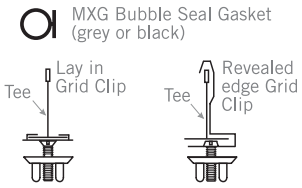
Female Recessed Head
Die 6165 for 76mm / Die 6166 for 89mm

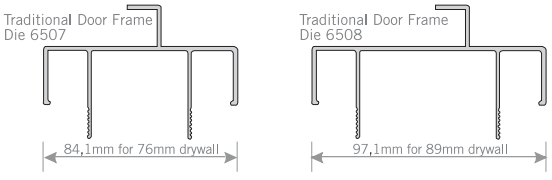
Female Recessed Base
Die 6206 for 76mm / Die 6207 for 89mm



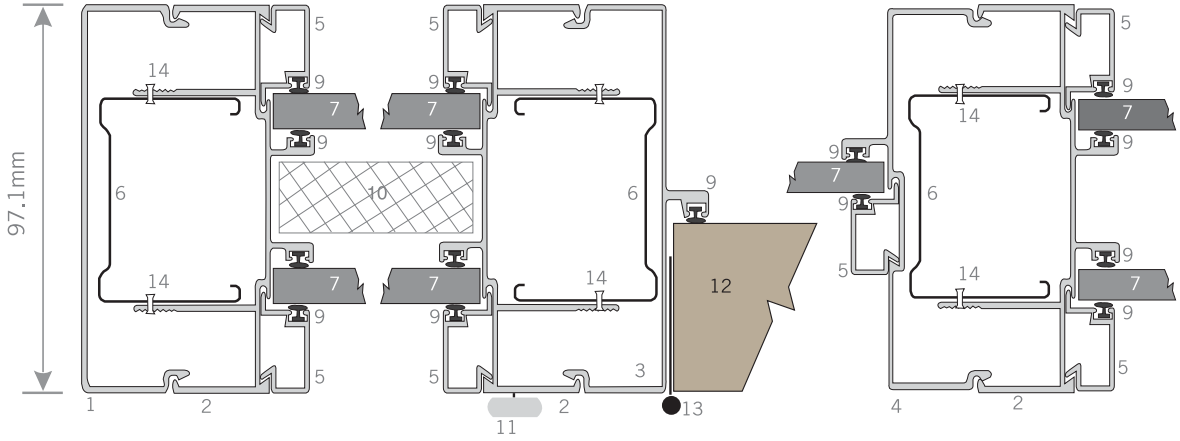


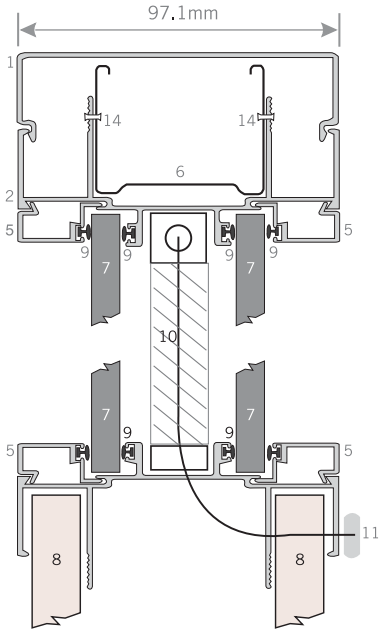






89mm Drywall System

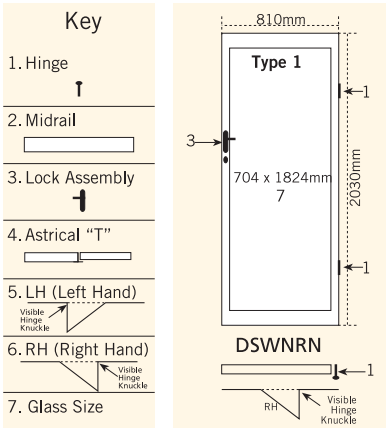


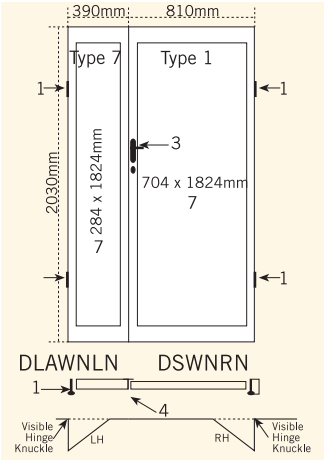


1. Aluminium Male Termination Section Die 6161
2. Aluminium 4 Leg Female Double Glazing Section Die 6201
3. Aluminium Male Door Frame Section Die 6164
4. Aluminium Male Glazing Section Die 6672
5. Aluminium Glazing Bead Die 6674
6. Ridgeback Stud (64mm)
7. 4-6mm Glass
8. Siniat Plasterboard
9. Bubble Seal Gasket
10. Blinds
11. Blinds Mechanism Showing Cable
12. 40mm Door
13. Aluminium Sinkless Hinge
14. Pop Rivets

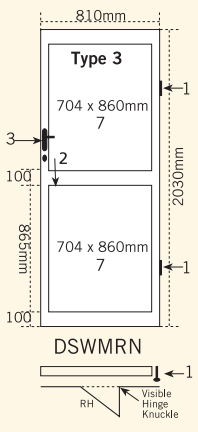
SINIAT FIXED PARTITION

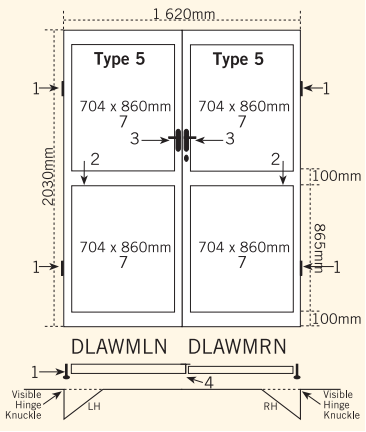
ALUMINIUM DOORS

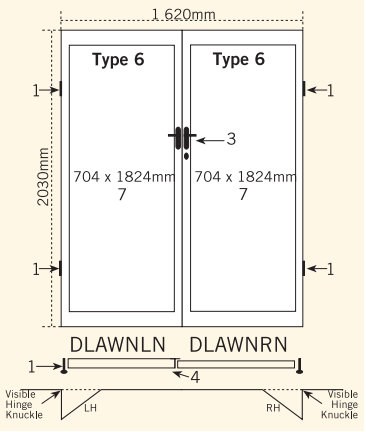


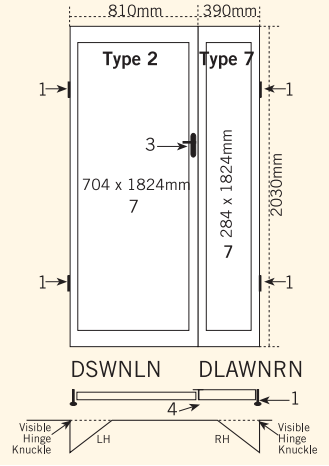


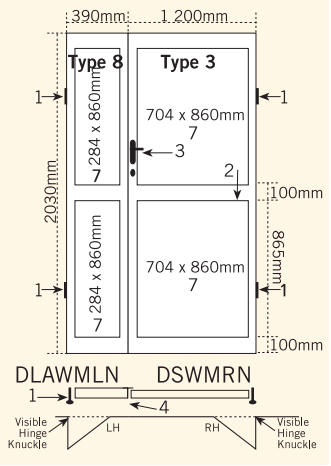
ALUMINIUM DOORS

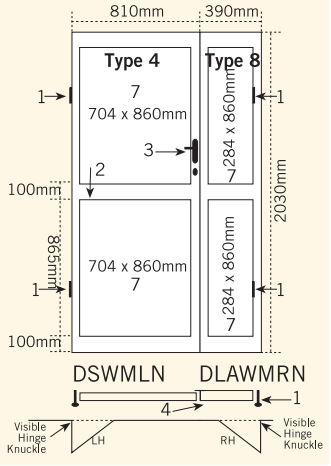










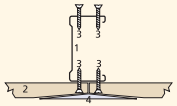


SINIAT FIXED PARTITION

CONSTRUCTION DETAILS

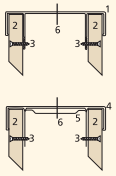
1 ***Drywall Joint***

1 Siniat Ridgeback Stud
2 Siniat Plasterboard (tapered edge)
3 Drywall Screws
4 Skimmed joint



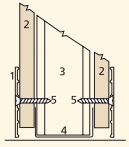
2 ***Wall Starter/Termination/Ceiling Junction***
(alternative fig 4)

1 Aluminium 4 Leg Female Termination Die 6060/6160
2 Siniat Plasterboard
3 Drywall Screws
4 Aluminium Termination (alternative) Ceiling and Wall Channel Die 6204/6205
5 Drywall Track
6 Fixing (mechanical/velcro/ grip clip)



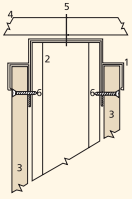
3 ***Standard Base***

1 Aluminium Ribbed Skirting Die 6144
2 Siniat Plasterboard
3 Siniat Ridgeback Stud
4 Drywall Track
5 Skirting Screws



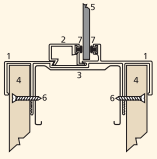
4 ***Recessed Head***
(alternative to fig 2)

1 Aluminium Recessed Head Die 6165/6166
2 Siniat Ridgeback Stud
3 Siniat Plasterboard
4 Ceiling Tile
5 Fixing (mechanical/velcro/grip clip)
6 Drywall Screws



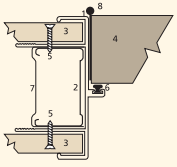
5 ***Glazing Mullion***

1 Aluminium 4 Leg Female Glazing Die 6668/6679
2 Aluminium Glazing Bead
3 Siniat Ridgeback Stud
4 Siniat Plasterboard
5 4-6mm Glass
6 Drywall Screws
7 Bubble Seal Gasket



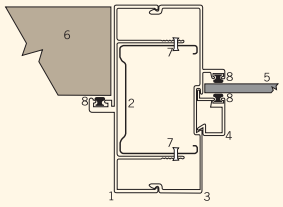
6 ***Door Frame***

1 Aluminium 4 Leg Female Glazing Die 6059/6159
2 Siniat Ridgeback Stud Die 6674
3 Siniat Plasterboard
4 Door (40mm)
5 Drywall Screws
6 Bubble Seal Gasket
7 Drywall Track (optional for additional stability for full height/solid doors and swing doors).
8 Aluminium Sinkless Hinge

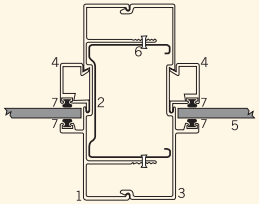


CONSTRUCTION DETAILS

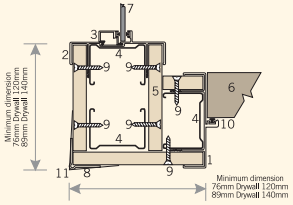
7 *Door Frame/Glazing Mullion*
1 Aluminium 4 Leg Female Doorframe
2 Siniat Ridgeback Stud
3 Aluminium Male Glazing Section Die 6667/6678
4 Aluminium Glazing Bead Die 6674
5 4 - 6 mm Glass
6 Door (40 mm)
7 Pop Rivets
8 Bubble Seal Gasket



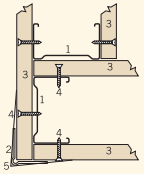
8 *Glazing Mullion or Transom*
1 Aluminium 4 Leg Female Section Die 6668/6679
2 Siniat Ridgeback Stud
3 Aluminium Male Glazing Section Die 6667/6678
4 Aluminium Glazing Bead Die 6674 with Bubble Seal Gasket
5 4 - 6 mm Glass
6 Pop Rivets
7 Bubble Seal Gasket



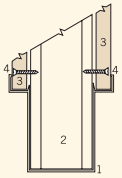
9 *Door frame with Corner and Glazing*
1 Aluminium 4 Leg Female Door frame Die 6059/6159
2 Aluminium 4 Leg Female Section Die 6668/6679
3 Aluminium Glazing Bead Die 6036
4 Siniat Ridgeback Stud
5 Siniat Plasterboard
6 Door (40 mm)
7 4-6mm Glass
8 Drywall Corner Bead
9 Dry Wall Screws
10 Bubble Seal Gasket
11 Skimmed Corner



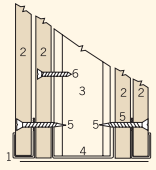
10 *Standard Corner*
1 Siniat Ridgeback Stud
2 Drywall Corner Bead
3 Siniat Plasterboard
4 Drywall Screws
5 Skimmed Corner



11 *Recessed Base*
(alternative to fig 3)
1 Aluminium recessed Base Die 6206/6207
2 Siniat Ridgeback Stud
3 Siniat Plasterboard
4 Drywall Screws

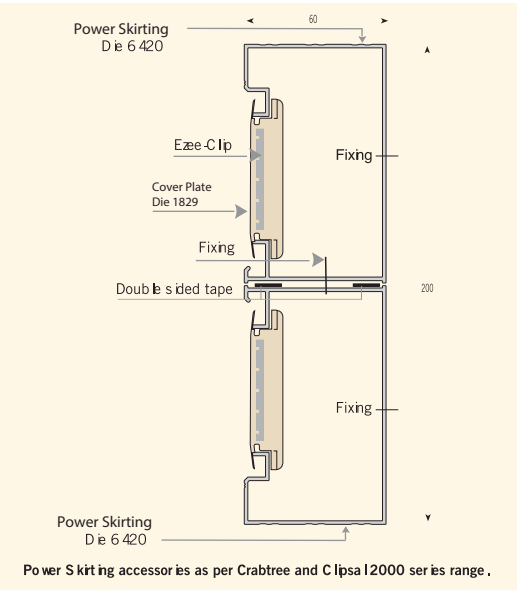


12 *Dry Lining Detail Utilising Plasterboard Trim*
1 Plasterboard Trim Die 6304
2 Siniat Plasterboard
3 Siniat Ridgeback Stud
4 Drywall Track
5 40mm Drywall Screws
2 5mm Drywall Screws



POWER SKIRTING DETAILS

Two sections of WALL MOUNTED Power Skirting placed back to back to achieve double volume Power Skirting.

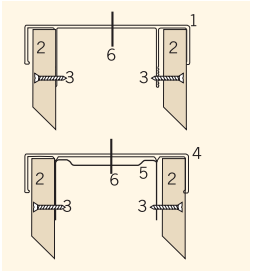


Power Skirting accessories as per Crabtree and Clipsal 2000 series range.

TYPICAL CONSTRUCTION DETAILS

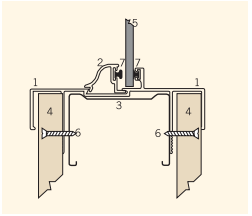
1. Wall Starter/Termination/Ceiling Junction

1 Aluminium 4 Leg Female Termination Die 6632
2 Siniat Plasterboard
3 Drywall Screws
4 Aluminium Termination (alternative) Ceiling and Wall Channel Die 6204/6205
5 Drywall Track 59mm
6 Fixing (mechanical/velcro/grid clip)



2. Glazing Mullion

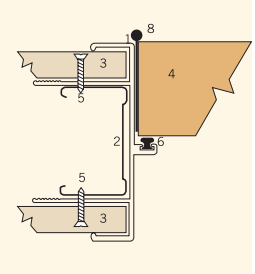
1 Aluminium 4 Leg Female Glazing Die 6677
2 Aluminium Glazing Bead Die 6635
3 Siniat Ridgeback Stud 58mm
4 Siniat Plasterboard
5 4 - 6 mm Glass
6 Drywall Screws
7 Bubble Seal Gasket



TYPICAL CONSTRUCTION DETAILS

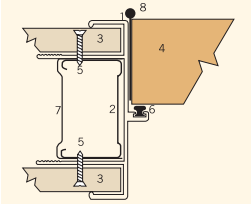
3. FOR 15MM SINIAT PLASTERBOARD
Door Frame

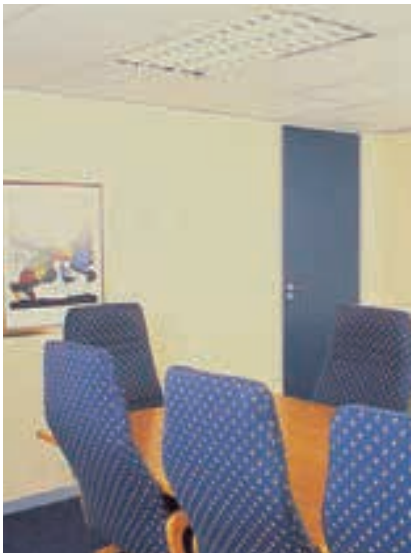
1 Aluminium 4 Leg Female Door frame Die 6633
2 Siniat Ridgeback Stud
3 Siniat Plasterboard
4 Door (40 mm)
5 Drywall Screws
6 Bubble Seal Gasket
7 Aluminium Sinkless Hinge



4. Door Frame (Full Height, Solid and Swing Doors)

1 Aluminium 4 Leg Female Door Frame Die 6633
2 Siniat Ridgeback Stud 58mm
3 Siniat Plasterboard
4 Door (40 mm)
5 Drywall Screws
6 Bubble Seal Gasket
7 Drywall Track 59mm (optional stability for full height/solid doors/swing doors)
8 Aluminium Sinkless Hinge





FIRE RATING ON SYSTEM AVAILABLE

Specifications: Siniat Fixed Partitions: 76mm
Supply and install Siniat Fixed Partition from Marley Building Systems, drywall partitioning system with an overall thickness of 76mm comprising internal framing formed of 51mm Siniat galvanised steel studs fixed at 600mm centres to Siniat galvanised steel track/aluminium female head section and Siniat galvanised steel floor track, where necessary, any additional galvanised steel studding to form door openings, glazing and other apertures, angles and corners and terminated ends. The internal steel framing is to be dressed on both sides with 12mm thick Siniat tapered edge plasterboards in single lengths to suit height, butt jointed and secured to a steel studding with 25mm drywall screws at a maximum 220mm centres. Joints are to be taped and jointed with Siniat Jointing Compound and prepared for painting or wall-papering. All external aluminium door frames, glazing frames, ceiling and wall channels and skirting are to be formed of natural anodised/colour anodised/powder coated to specific colour.

Maximum height: 3 600mm.
Installation must be in accordance with SABISA (South African Building Interior Systems Association) installation guidelines.

Specification: Siniat Fixed Partition: 89mm
Supply and install Siniat Fixed Partition from Marley Building Systems, drywall partitioning system with an overall thickness of 89mm comprising internal framing formed of 64mm Siniat galvanised steel studs fixed at 600mm centres to Siniat galvanised steel track/aluminium female head section and galvanised steel floor track, where necessary, any additional galvanised steel studding to form door openings, glazing and other apertures, angles and corners and terminated ends. The internal steel framing is to be dressed on both sides with 12mm thick Siniat tapered edge plasterboards in single lengths to suit height, butt jointed and secured to a steel studding with 25mm drywall screws at a maximum 220mm centres. Joints are to be taped and jointed with Siniat Jointing Compound and prepared for painting or wall-papering. All external aluminium door frames, glazing frames, ceiling and wall channels and skirting are to be formed of natural anodised/colour anodised/powder coated to specific colour.

Maximum height: 3 600mm.
Installation must be in accordance with SABISA (South African Building Interior Systems Association) installation guidelines.

SINIAT FIXED PARTITION

SINIAT FIXED PARTITION SPECIFICATIONS AND DETAILS

Siniat Fixed Partition Specification
Siniat Fixed Partition is a lightweight walling system which has no visible joints on completion. The internal framework consists of standard Siniat Ridgeback stud and Siniat Fixed Track profiles manufactured from galvanised steel.

Tapered edge Siniat Plasterboards are screw fixed to the studs allowing for plaster jointing. Paint or wall paper finishes can then be applied for a joint free wall of subtle quality. This ensures sturdy framing for the Siniat Plasterboards.

Fire rating: Siniat Residential (89mm partition) has a 30 minute fire rating as per SABS 0177: Parts 2005. For further details as well as information on 60 minutes plus fire ratings please consult with our technical department.

Components
Internal Framework
The internal framework shall consist of floor and ceiling track with vertical Siniat Ridgeback Studs. The Siniat Floor Track shall be firmly screwed or shot fixed to the floor. The top track (Galvanised), shall be fixed to the Siniat ceiling grid or roof structure. When fixing to other solid surfaces the top track shall be mechanically screwed or shot fixed.

Door Frames
Aluminium door frames to fit 76mm/89mm partitions can be used. For fire rated drywall partitions, pre-made fire rated doors must be used. Custom made pressed steel or timber door frames can be used for non-standard drywalls.

Panels
Installation (See Figure 1 and 2)
Installation shall commence with the fixing of the track to the floor and the ceiling. Studs are to be fixed to existing wall as a wall starter. The Siniat Ridgeback Studs are then installed vertically at maximum 600mm centres. The 12mm -15mm thickness tapered edge Siniat Plasterboard are then held in place by means of 25mm drywall screws which are driven through the Siniat Plasterboard and into the Siniat Ridgeback Studs at a maximum spacing of 220mm between screws.

The Siniat Plasterboards are held in place at the base by the skirting and fixed to the steel framework with 25mm drywall screws. Where the Siniat Fixed Partition is being installed beneath a plastered ceiling, Siniat Galvanised Drywall Track is fixed to the ceiling.

Jointing Siniat Plasterboards tapered edge points to be finished with Siniat Fibatape and Siniat Jointing Compound.

Wall Finishes
Walls should be primed with a suitable primer and then painted with a colour to suit.

Doors
All doors must comply with General Specification for Fixed Partitions.

General guidelines for Partitioning Systems and lightweight walls: Special attention should be given to the glazing and door details to ensure the compliance to the fire regulation, if required.

Figure 1

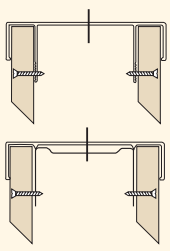
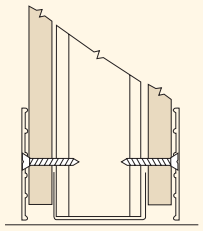


Figure 2



All Steel components of the Siniat Partition System are manufactured by Marley Building Systems

SINIAT DRYWALL **LPS 51 - F0/1**
INTERNAL PARTITION SYSTEM
Non load bearing drywall system
12mm Standard Plasterboard-one layer each side

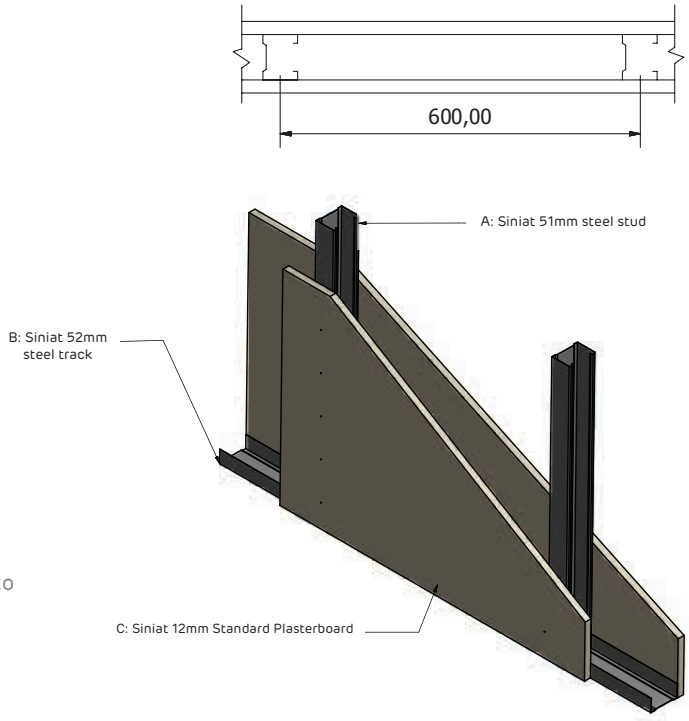
APPLICATION: Commercial

WALL PROPERTIES
51mm stud

Sound insulation reduction index	- 36dB
Thickness	- 76mm
Approximate weight	- 20kg/m²

MATERIAL USED
A - 51mm Drywall Siniat steel stud
B - 52mm Drywall Siniat steel track
C - 12mm Standard Tapered edge Plasterboard
- 25mm Drywall Screws
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

APPLICATION DETAIL
1. Set Siniat steel studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 12mm Siniat Tapered edge plasterboard to each side using 25mm drywall screws spaced at 220mm c/c.
3. Tape and joint according to specification.
4. Refer to standard specification.
5. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
6. Stagger the plasterboard joints in the system



SINIAT DRYWALL **LPS 58 - 0/1**

Non load bearing drywall system
15mm Technical Firecheck Plasterboard- one layer each side

APPLICATION: Commercial and Residential

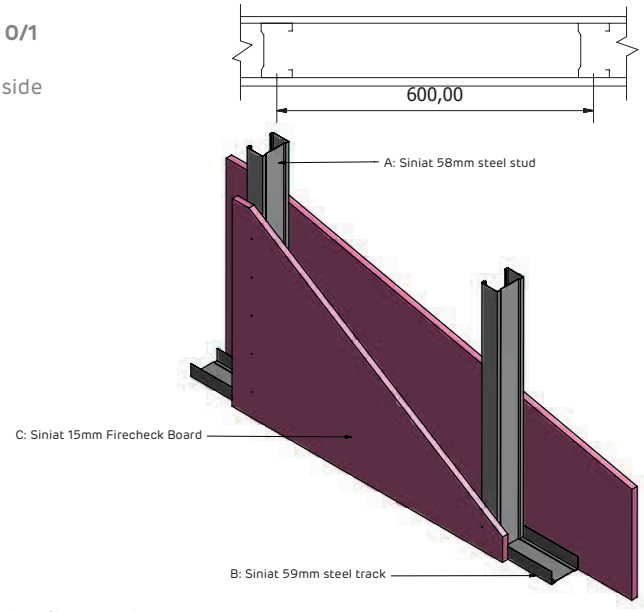
WALL PROPERTIES

58mm stud
60 Min fire rating

Sound insulation reduction index	- 40dB
Thickness	- 88mm
Approximate weight	- 23kg/m²

MATERIAL USED

A - 58mm Drywall Siniat steel stud
B - 59mm Drywall Siniat steel track
C - 15mm Firecheck Tapered edge Plasterboard
- 25mm Drywall Screws
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification



APPLICATION DETAIL

1. Set Siniat steel studs spaced at 600mm c/c into steel at floor and ceiling.
2. Apply a single layer of 15mm Firecheck Taper edge plasterboard to each side using 25mm drywall screws spaced at 220mm c/c.
3. Tape and joint according to specification.
4. Refer to standard specification.
5. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
6. Stagger the plasterboard joints in the system.

SINIAT DRYWALL **LPS 64 - F30/1**
30 MIN FIRE RATING INTERNAL
PARTITION SYSTEM

Non-load-bearing drywall system
12mm Standard Plasterboard - one layer each side

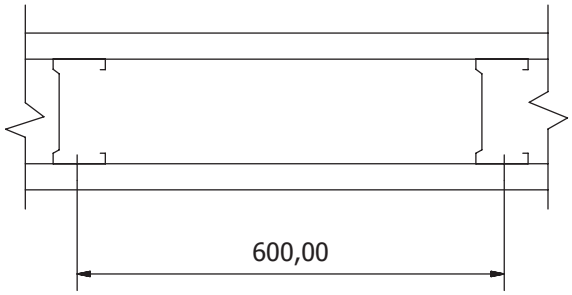
APPLICATION: Commercial and Residential

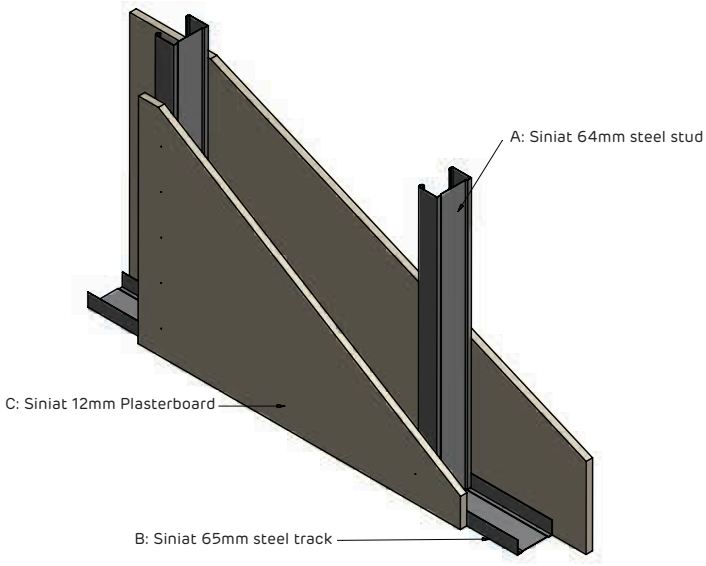
WALL PROPERTIES
64mm stud
30 min fire rating

Sound insulation reduction index	- 38dB
Thickness	- 89mm
Approximate weight	- 21kg/m²

MATERIAL USED
A - 64mm Siniat Drywall steel stud
B - 65mm Siniat Drywall steel track
C - 12mm Standard Tapered Edge Plasterboard
- 25mm Drywall Screws
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

APPLICATION DETAIL
1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 12mm Siniat Tapered Edge Plasterboard to each side using 25mm drywall screws spaced at 220mm c/c.
3. Tape and joint according to specification.
4. Refer to standard specification.
5. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
6. Stagger the plasterboard joints in the system.

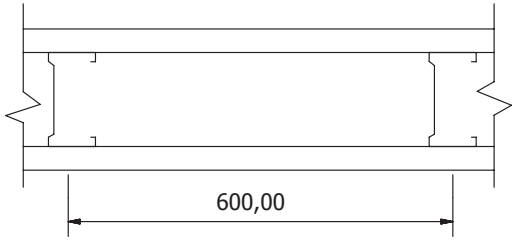




SINIAT FIXED PARTITION

SINIAT DRYWALL
60 MIN FIRE RATING INTERNAL
PARTITION SYSTEM

LPF 64 – F60/1

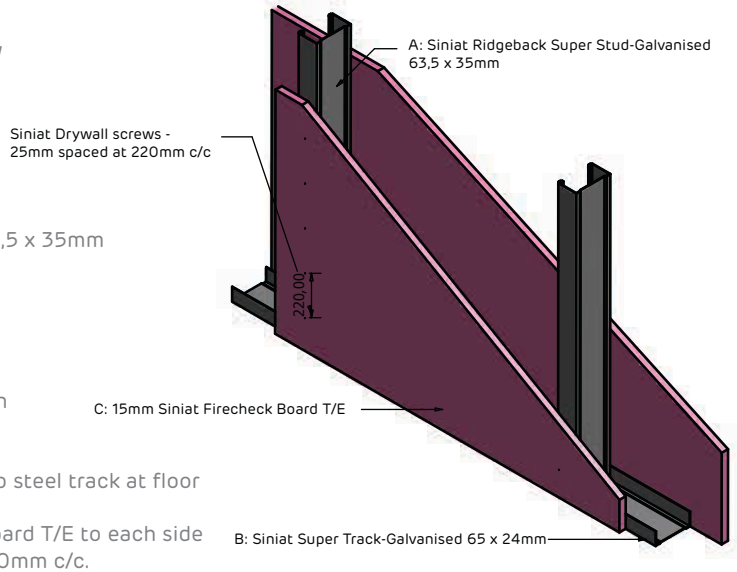


Non-load-bearing drywall system
15mm Siniat Firecheck Board T/E - one layer each side

WALL PROPERTIES

63,5mm stud
60 min fire rating

Sound insulation reduction index	- 40dB
Thermal Values (Rw)	- 0,53kg/m².W
Partition Width	- 94mm
Approximate weight	- 23kg/m²
Height	- 3,6m



MATERIAL USED

A - Siniat Ridgeback Super Stud - Galvanised 63,5 x 35mm
B - Siniat Super Track - Galvanised 65 x 24mm
C - 15mm Siniat Firecheck Board T/E
- Siniat Drywall Screws - 25mm
- Siniat Fibatape
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

APPLICATION DETAIL

1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 15mm Siniat Firecheck Board T/E to each side using 25mm Siniat Drywall Screws spaced at 220mm c/c.
3. Tape and joint according to specification.
4. Refer to standard specification.
5. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
6. Stagger the plasterboard joints in the system.
7. Seal all joints with Siniat Jointing Compound.

SINIAT DRYWALL **LPS 64 - F60/2**
60 MIN FIRE RATED INTERNAL
PARTITION SYSTEM

Non-load-bearing drywall system
12mm Standard Plasterboard - double layer each side.

APPLICATION: Commercial and Residential

WALL PROPERTIES

63,5mm stud
60min fire rating

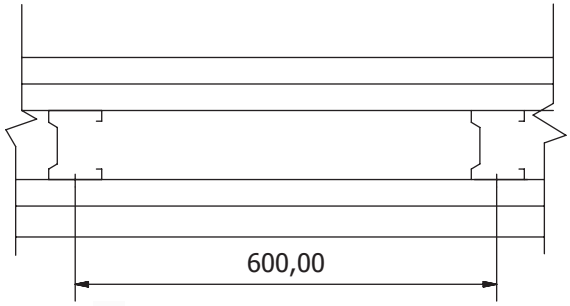
Sound reduction index	- 44dB
Thermal Values (Rw)	- 0,76kg/m².W
Partition Width	- 112mm
Approximate weight	- 39kg/m²
Height	- 3,6m

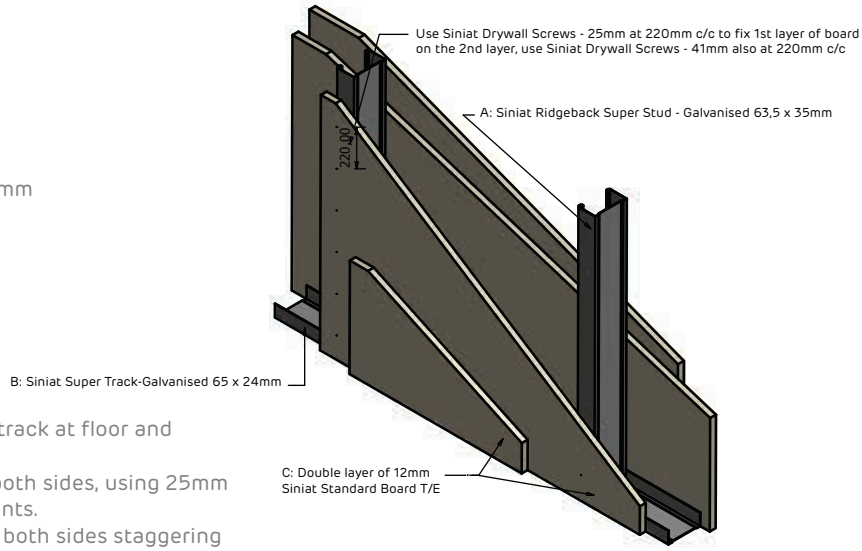
MATERIAL USED

A - Siniat Ridgeback Super Stud - Galvanised 63,5 x 35mm
B - Siniat Super Track - Galvanised 65 x 24mm
C - 12mm Siniat Standard Board T/E
- Siniat Drywall Screws - 25mm and 41mm
- Siniat Fibatape
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

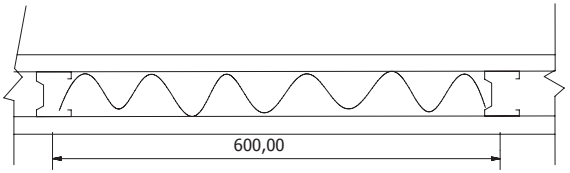
APPLICATION DETAIL

1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 12mm Siniat Standard Board to both sides, using 25mm Siniat Drywall Screws spaced at 220mm c/c, stagger joints.
3. Apply a second layer of 12mm Siniat Standard Board to both sides staggering all joints, using 41mm Siniat Drywall Screws spaced at 220mm c/c
4. Tape and joint according to specification.
5. Refer to standard specification.
6. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
7. Stagger the plasterboard joints in the system.
8. Seal all joints with Siniat Jointing Compound.





SINIAT DRYWALL **LPF 64 – F60/3/MW – 50mm**
60 MIN FIRE RATED INTERNAL
PARTITION SYSTEM



Non-load-bearing drywall system
12,5mm Siniat Firecheck Board T/E- one layer on each side
60kg/m³ mineral wool.

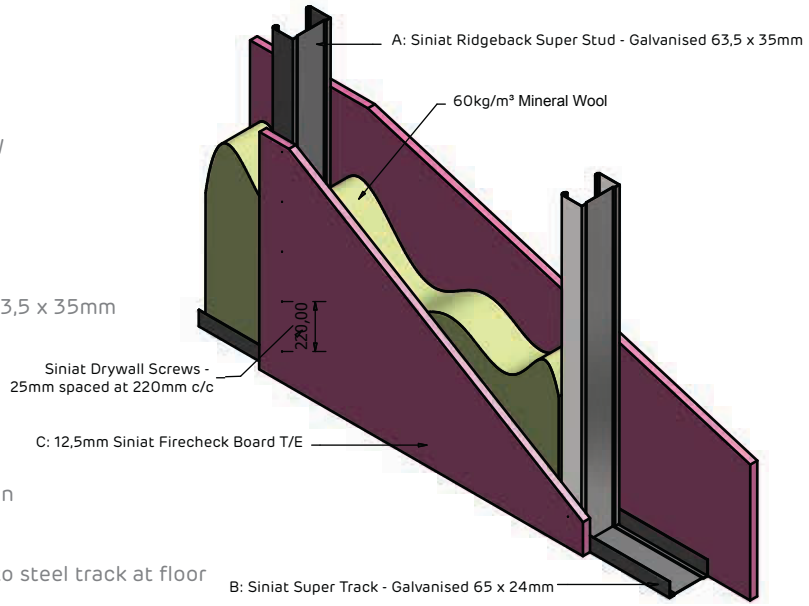
WALL PROPERTIES

63,5mm stud
60 min fire rating

Sound reduction index	- 44dB
Thermal Value (Rw)	- 1,78kg/m².W
Partition width	- 89mm
Approximate weight	- 30kg/m²
Height	- 3,6m

MATERIAL USED

A - Siniat Ridgeback Super Stud – Galvanised 63,5 x 35mm
B - Siniat Super Track - Galvanised 65 x 24mm
C - 12,5mm Siniat Firecheck Board T/E
- Siniat Drywall Screws - 25mm
- Siniat Fibatape
- Siniat Jointing Plaster
- 60kg/m3 mineral wool
- Floor and ceiling finishes as per specification

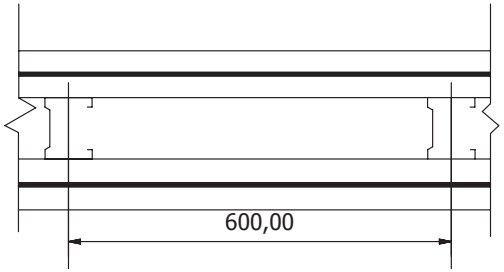


APPLICATION DETAIL

1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 12,5mm Siniat Firecheck Board T/E to each side using 25mm Siniat Drywall Screws spaced at 220mm c/c.
3. Position mineral wool between studs, fold the top over and secure to top track by positioning and fixing with galvanised angle.
4. Tape and joint according to specification.
5. Refer to standard specification.
6. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
7. Stagger the plasterboard joints in the system
8. Seal all joints with Siniat Jointing Compound

SINIAT DRYWALL **LPF 64 - F120/1**
60 MIN FIRE RATED
INTERNAL PARTITION SYSTEM

Non-load-bearing drywall system
12,5mm Technical Firecheck Board - 0,5mm galvanised steel between double layer of Technical Firecheck Plasterboard on each side.

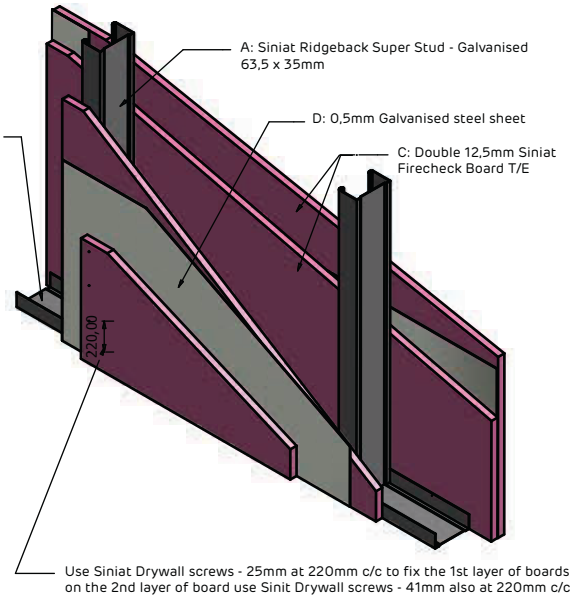


WALL PROPERTIES

63,5mm stud	
120 min fire rating	
Sound reduction index	- 48dB
Thermal Value (Rw)	- 0,70kg/m².W
Partition width	- 115mm
Approximate weight	- 50kg/m²
Height	- 3,6m

MATERIAL USED

A - Siniat Ridgeback Super Stud – Galvanised 63,5 x 35mm
B - Siniat Super Track - Galvanised 65 x 24mm
C - Double layer of 12,5mm Siniat Firecheck Board T/E
D - 0,5mm Siniat Galvanised Steel Sheet
- Siniat Drywall Screws - 25mm and 41mm
- Siniat Fibatape
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

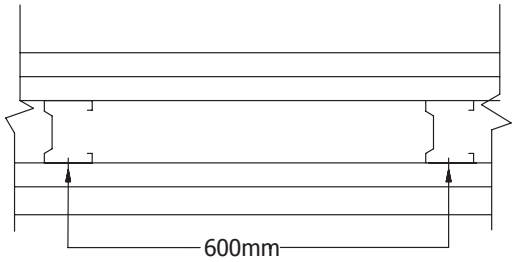


APPLICATION DETAIL

1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 12,5mm Siniat Firecheck Board T/E to each side using 25mm Siniat Drywall Screws spaced at 220mm c/c.
3. Apply 0,5mm Siniat Galvanised Steel Sheet to each side (min 30mm overlap).
4. Apply a second layer of 12,5mm Siniat Firecheck Board T/E to both sides.
5. Tape and joint according to specification.
6. Refer to standard specification.
7. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
8. Stagger the plasterboard joints in the system.
9. Seal all joints with Siniat Jointing Compound

SINIAT DRYWALL **LPF 64 - F120/3**
120 MIN FIRE RATED INTERNAL
PARTITION SYSTEM

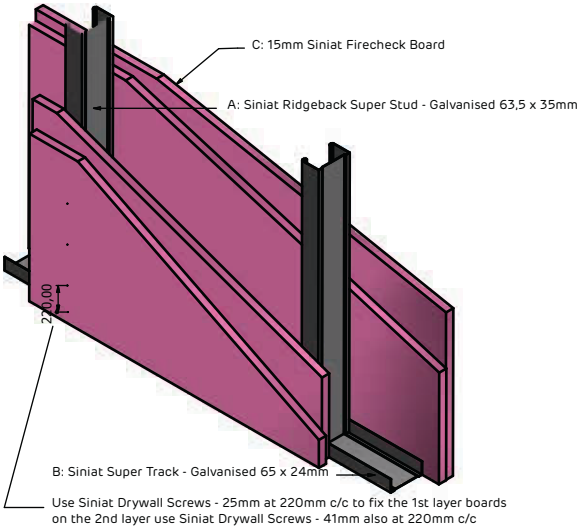
Non-load-bearing drywall system
15mm Technical Firecheck Plasterboard- double layer on each



WALL PROPERTIES

63,5mm stud
120 min fire rating

Sound reduction index	- 55dB
Thermal Value (Rw)	- 0.76kg/m².W
Partition width	- 124mm
Approximate weight	- 54kg/m²
Height	- 3,6m



MATERIAL USED

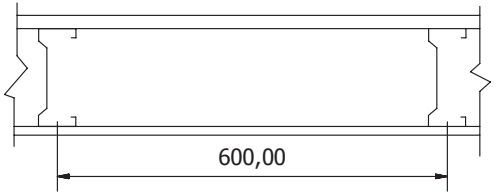
A - Siniat Ridgeback Super Stud – Galvanised 63,5 x 35mm
B - Siniat Super Track - Galvanised 65 x 24mm
C - 15mm Siniat Firecheck Board T/E
- Siniat Drywall Screws - 25mm and 41mm
- Siniat Fibatape
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

APPLICATION DETAIL

1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 15mm Siniat Firecheck Board T/E on both sides. Using 25mm Siniat Drywall Screws spaced at 220mm c/c, stagger joints.
3. Apply a face layer of 15mm Siniat Firecheck Board T/E to both sides, staggering all joints, using 41mm Siniat Drywall Screws spaced at 220mm c/c.
4. Tape and joint according to specification.
5. Refer to standard specification.
6. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
7. Stagger the plasterboard joints in the system.
8. Seal all joints with Siniat Jointing Compound.

SINIAT DRYWALL **LPF 102 - F60/1**
60 MIN FIRE RATING INTERNAL
PARTITION SYSTEM

Non-load-bearing drywall system
15mm Siniat Firecheck Board T/E- one layer on each side

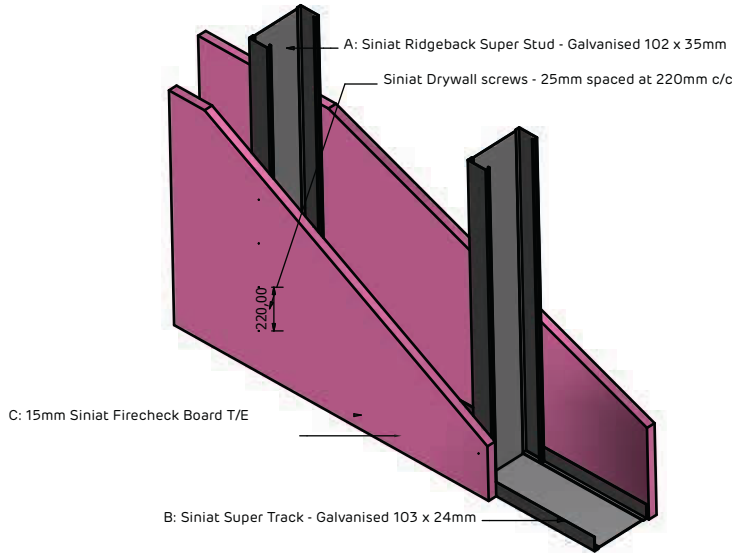


WALL PROPERTIES

102mm stud	
60 min fire rating	
Sound reduction index	- 40dB
Thermal Value (Rw)	- 0,72kg/m².W
Partition width	- 132mm
Approximate weight	- 24kg/m²
Height	- 3,6m

MATERIAL USED

A - Siniat Ridgeback Super Stud – Galvanised 102 x 35mm
B - Siniat Super Track - Galvanised 103 x 24mm
C - 15mm Siniat Firecheck Board T/E
- Siniat Drywall Screws - 25mm
- Siniat Fibatape
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

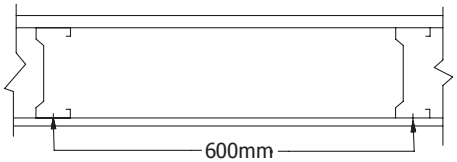


APPLICATION DETAIL

1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 15mm Siniat Firecheck Board T/E to each side using 25mm Siniat Drywall Screws spaced at 220mm c/c.
3. Tape and joint according to specification.
4. Refer to standard specification.
5. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
6. Stagger the plasterboard joints in the system.
7. Seal all joints with Siniat Jointing Compound.

SINIAT DRYWALL **LPF 102 – 120/1**
120 MIN FIRE RATING INTERNAL
PARTITION SYSTEM

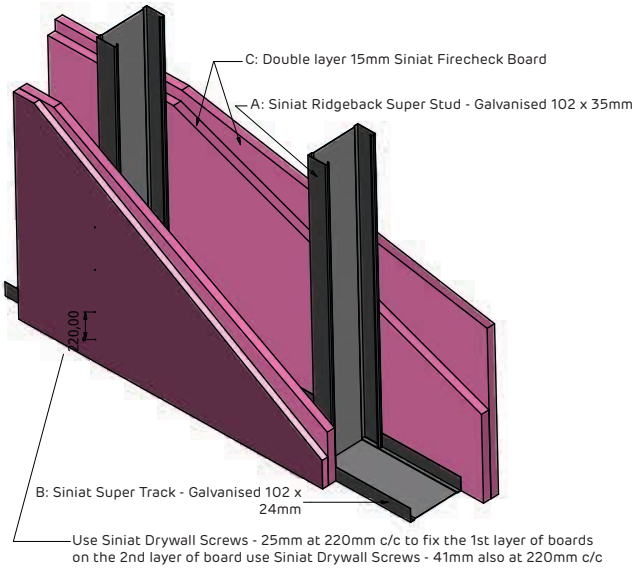
Non-load-bearing drywall system
15mm Siniat Firecheck Board T/E - double layer on each side



WALL PROPERTIES

102mm stud
120 min fire rating

Sound reduction index	- 60dB
Thermal Value (Rw)	- 0,72kg/m².W
Partition width	- 162mm
Approximate weight	- 46,5kg/m²
Height	- 3,6m



MATERIAL USED

A - Siniat Ridgeback Super Stud – Galvanised 102 x 35mm
B - Siniat Super Track - Galvanised 103 x 24mm
C - Double layer of 15mm Siniat Firecheck Board T/E
- Siniat Drywall Screws - 25mm and 41mm
- Siniat Fibatape
- Siniat Jointing Compound
- Floor and ceiling finishes as per specification

APPLICATION DETAIL

1. Set Siniat Steel Studs spaced at 600mm c/c into steel track at floor and ceiling.
2. Apply a single layer of 15mm Siniat Firecheck Board T/E on both sides. Using 25mm Siniat Drywall Screws spaced at 220mm c/c, stagger joints.
3. Apply a face layer of 15mm Siniat Firecheck Board T/E to both sides, staggering all joints, using 41mm Siniat Drywall Screws spaced at 220mm c/c .
4. Tape and joint according to specification.
5. Refer to standard specification.
6. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
7. Stagger the plasterboard joints in the system.
8. Seal all joints with Siniat Jointing Compound.

SINIAT FINESSE REMOUNTABLE PARTITION SYSTEM

Introduction
The high quality Finesse® Aluminium components allow designers and space planners to combine full height and low level partitions using one system in the design of work stations.

The Siniat Finesse® Remountable Partition System is designed for an ever-changing world where organisations constantly evaluate and improve their operations, and with them, their people and office environments.

The flexibility of the Siniat Finesse® Remountable Partition System allows architects, designers, space planners and the like, to create working environments of varying styles and heights, based upon requirements for sound, fire-rating, privacy and space. The unique aluminium section design, incorporating the Finesse® clip fitting sections, eliminates the need for drilling and screwing in most applications.

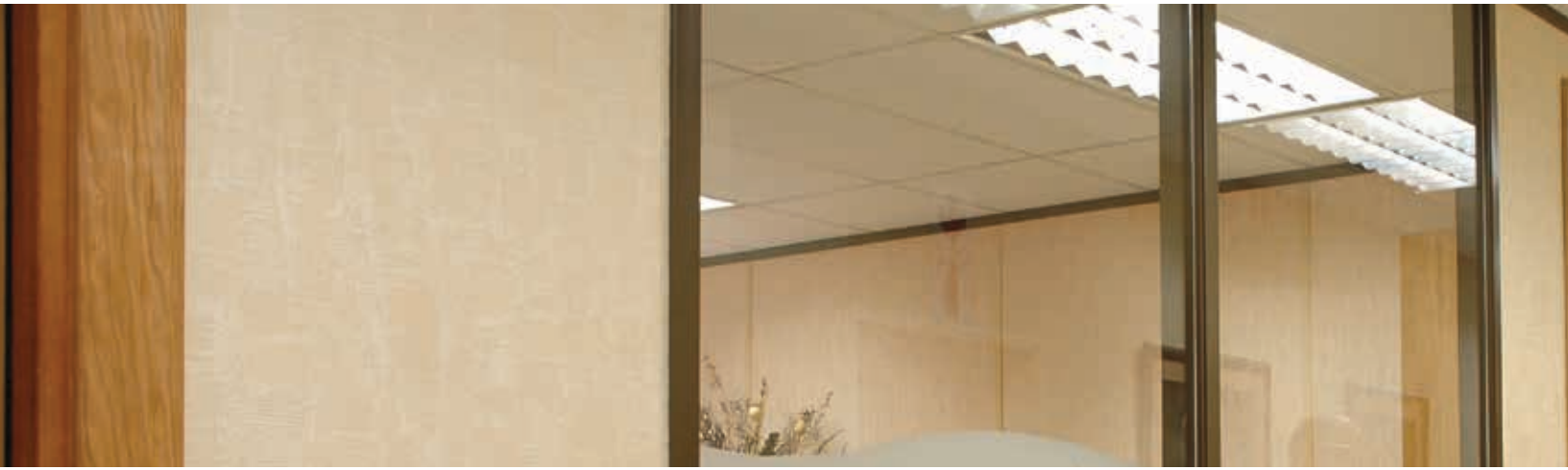
Key Features
- Easy installation.
- Fully re-locatable in component form.
- Superb detailing and finishing.
- Comparative acoustic qualities.
- Pencil line, cover trims or flush wall appearance.
- Extensive variety of panel finishes.
- Centre, double or offset glazing.
- Integral blinds.
- Concealed fixed skirting.
- Curved and angular corner profiles.
- Strong substantial profiles.
- Manufactured to BS5750/ISO9002 Quality Standards.
- Integral wire management systems.
- Power Skirting 30 min SABS 0177: Part 2-2005.
- Full range of moulded capping pieces.

Planning
Finesse® offers unprecedented freedom in planning the optimum work place, freeing the designers from restraints placed upon them by other systems, while at the same time allowing the most efficient use of floor space.

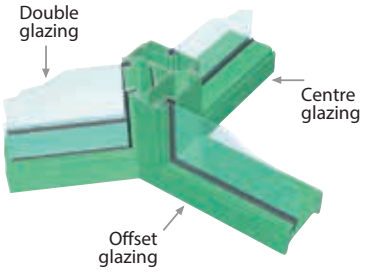
The built-in flexibility of the Siniat Finesse® Remountable System allows for easy adaptation or adjustment should this be required.

Wire Management
The Siniat Finesse® Remountable Partition System is developed to accommodate the requirements of the most technologically advanced office environment. All electrical, data and communication cables can be placed within the spacious cavities provided by the framework, or alternatively in the designed power skirting situated at the base or at a preferred height within the Partition System.

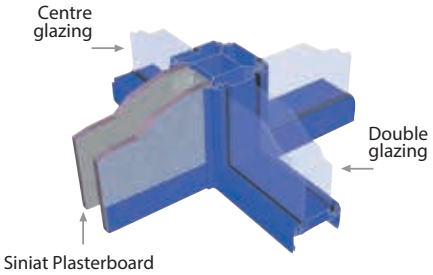
Installation
The system must be installed by contractors who are trained and approved by Marley Building Systems.



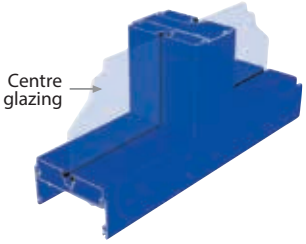
POSTS



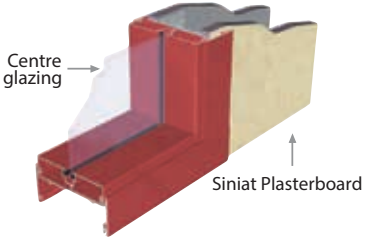
3 Way Y Post showing three different floor glazing details .



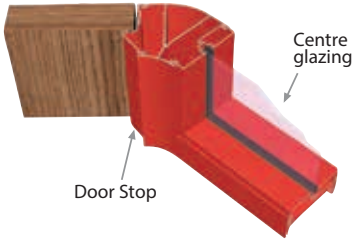
4 Way Box Post showing partition board and full height glazing details .



Main Post showing centre glazing details .

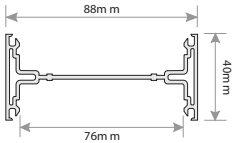


Main Post showing partition board and centre glazing details .



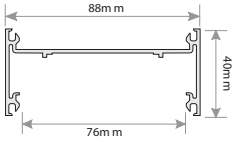
135 /45 corner post showing Door Stop and Centre Glazing details .

1



Strong Post
Die 6322 (F A 500)

2

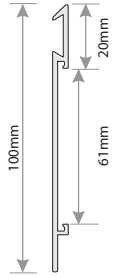


Main Post
Die 6323 (F A 510)

3 Skirtin g

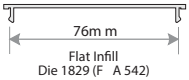
Cover Trim
27mm Die 6314
40mm Die 6356 (F A685)

PVC Skirting Infill

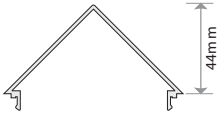


Die 6624

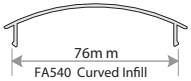
4 Terminations



Flat Infill
Die 1829 (F A 542)

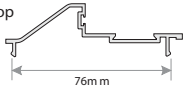


Angled Infill
Die 1824 (F A 544)



FA540 Curved Infill
Die 6326 (F A 540)

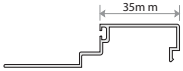
5 Door Stop



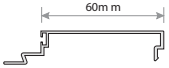
Door Stop
Die 6325 (F A 531)

6 Glazin g

Centre Glazing Bead
Die 1842 (F A 620)

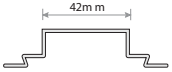


Centre Glazing Chai r
Die 1841 (F A 600)



Offset Glazing Chai r
Die 1828 (F A 680)

Outer Glazing Bead
Die 6441 (offset/double glazing)
(FA 650)

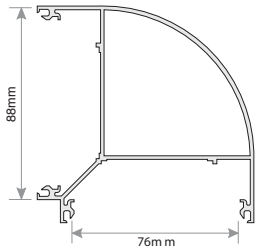


Double Glazing Chai r
Die 6440 (F A 670)

Sections not drawn to scale

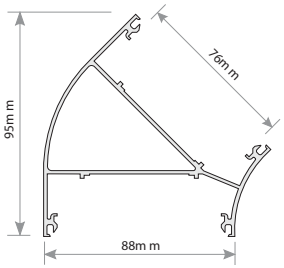
ALUMINIUM ABUTMENTS

7



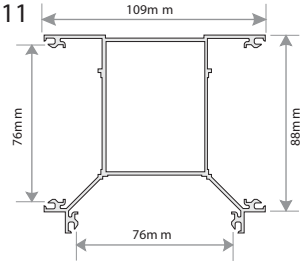
90 Corner Post
Die 1825(FA 560)

8



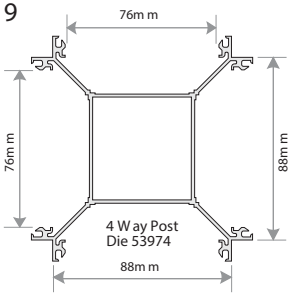
135 /45 Corner Post
Die 6324 (F A 550)

11



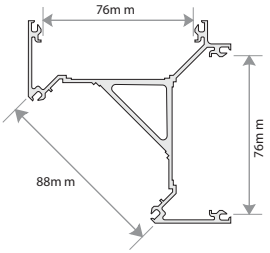
3 Way Box Post
Die 6342 (F A 570)

9



4 Way Post
Die 53974

10



3 Way "Y" Post
Die 6343 (F A 580)

A Dimension of track & stud in relation to board thickness

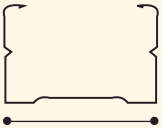
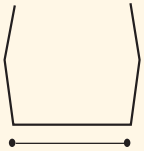


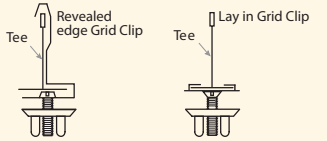
Table A

Board mm	TRK Friction Track	DSTE Stud
9.0	56	55
12.0	50	48
15.0	45	43

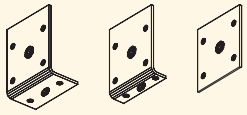


Finesse Hinge Located in Door Stop

B

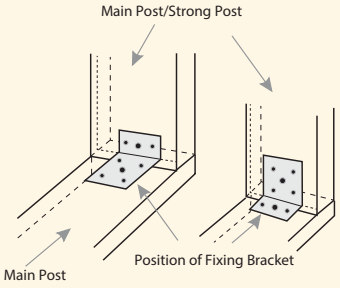


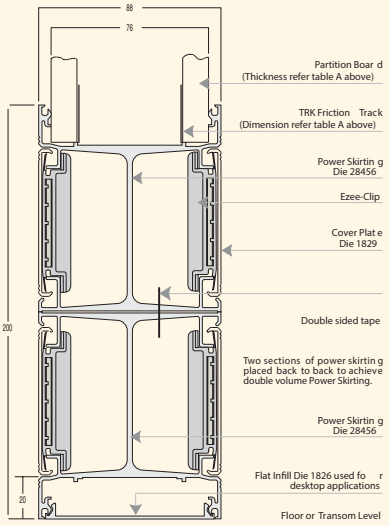
C



Internal Fixing Brackets

D

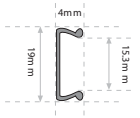




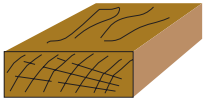
Power Skirting accessories as per Crabtree and Clipsal 2000 series range.

Finesse Lock Box

Rolled Galvinised Material code FCL Clamping Strip



MXG Bubble Seal Gasket (grey or black)



Timber Packers (55mm x 24mm, 55mm x 16mm)

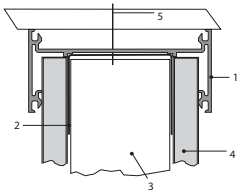
DETAILS

HEAD AND FLOOR DETAIL

1 Solid Head Detail Using Partition Board

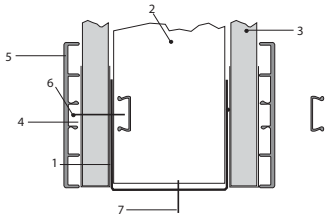
1. Main Post Die 6323 (FA 510)
2. TRK Friction Track (Dimension refer table A Page 41)
3. DSTE Stud (Dimension refer table A Page 41)
4. Siniat Plasterboard (Thickness refer table A Page 41)
5. Fixing (mechanical/grid clip)

Typical Detail Applies to Wall Abutments



2 Solid Floor Detail Using Partition Board

1. TRK Friction Track (Dimension refer table A Page 41)
2. DSTE Stud (Dimension refer table A Page 41)
3. Siniat Plasterboard (Thickness refer table A Page 41)
4. Fixing (mechanical/grid clip)
5. 40mm/75mm/100mm Skirting
6. Fixing (mechanical/velcro)

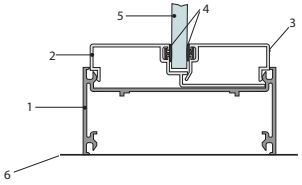


GLAZING DETAIL

3 Full Height Centre Glazing

1. Main Post Die 6323 (FA 510) 2
2. Centre Glazing Chair Die 1841 (FA 600)
3. Centre Glazing Bead Die 1842 (FA 620)
4. MXG Bubble Seal Gasket
5. 6mm Glass
6. Floor level

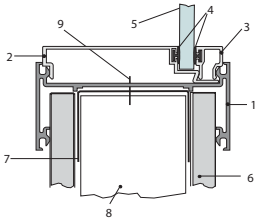
For Head Detail, Main Post fixed as Detail 1



4 Solid to Offset Glazing

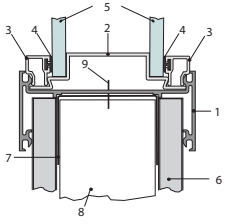
1. Main Post Die 6323 (FA 510)
2. Offset Glazing Chair Die 1828 (FA 680)
3. Outer Glazing Bead Die 6441 (FA 650)
4. MXG Bubble Seal Gasket
5. 4 - 6mm Glass
6. Siniat Plasterboard (Thickness refer table A Page 41)
7. TRK Friction Track (Dimension refer table A Page 41)
8. DSTE Stud (Dimension refer table A Page 41)
9. Fixing

Typical Detail Applies to Wall Abutments



5 Solid to Double Glazing

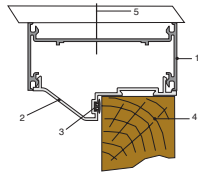
1. Main Post Die 6323 (FA 510)
2. Double Glazing Chair Die 6327 (FA 670)
3. Outer Glazing Bead Die 6441 (FA 650)
4. MXG Bubble Seal Gasket
5. 4-6mm Glass
6. SiniatPlasterboard (Thickness refer table A Page 41)
7. TRK Friction Track (Dimension refer table A Page 41)
8. DSTE Stud (Dimension refer table A Page 41)
9. Fixing



DOOR FRAME DETAIL

6 Full Height Door Head Detail

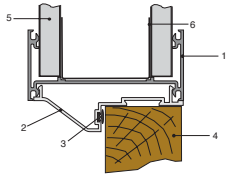
1. Main Post Die 6323 (FA 510)
2. Door Stop Die 6325 (FA 531)
3. MXG Bubble Seal Gasket
4. 40mm Door
5. Fixing



7 Door Head with Partition Board Above 5

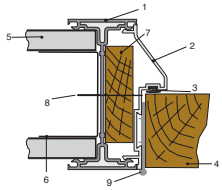
1. Main Post Die 6323 (FA 510)
2. Door Stop Die 6325 (FA 531)
3. MXG Bubble Seal Gasket
4. 40mm Door
5. Siniat Plasterboard (Thickness refer table A Page 41)
6. TRK Friction Track (Dimension refer table A Page 41)

Note: Before fixing Main Post Door Transom, cut and position Partition Board above



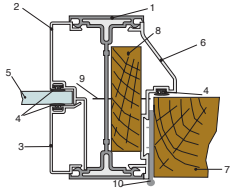
8 Door Mullion with Partition Board

1. Strong Post Die 6322 (FA 500)
2. Door Stop Die 6325 (FA 531)
3. MXG Bubble Seal Gasket
4. 40mm Door
5. Siniat Plasterboard (Thickness refer table A Page 41)
6. TRK Friction Track (Dimension refer table A Page 41)
7. Timber Packer (55mm x 16 mm)
8. Fixing
9. Finesse Hinge



9 Door Mullion with Centre Glazing

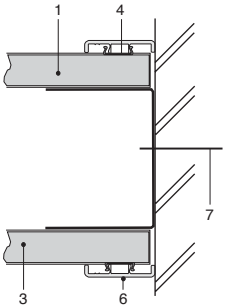
1. Strong Post Die 6322 (FA 500)
2. Centre Glazing Chair Die 1841 (FA 600)
3. Centre Glazing Bead Die 1842 (FA 620)
4. MXG Bubble Seal Gasket
5. 4-6mm Glass
6. Door Stop Die 6325 (FA 531)
7. 40mm Door
8. Timber Packer (55mm x 16mm)
9. Fixing
10. Finesse Hinge



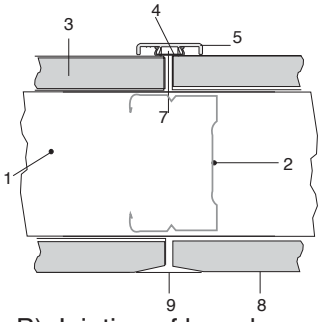
10 Board Joint Details

1. TRK Friction Track (Dimension refer table A Page 24)
2. DSTE Stud (Dimension refer table A Page24)
3. Siniat Plasterboard (Thickness refer table A Page 24)
4. Clamping Strip
5. Die 6314 Cover Trim 27mm
6. Die 6356 Cover Trim 40mm (FA 685)
7. Fixing 1
8. Tapered edge Siniat Partition Board
9. Tape and jointed

NB Staggered joints improve noise reduction.



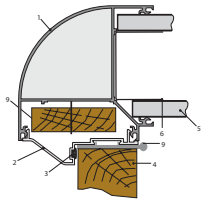
A) Wall abutment detail



B) Jointing of boards

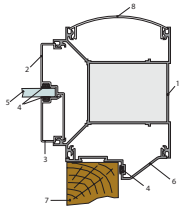
11 90° Corner Post Showing Clip on Door Stop and Board Detail

1 90° Corner Post Die 1825 (FA 560)
2 Door Stop Die 6325 (FA 531)
3 MXG Bubble Seal Gasket
4 40mm Door
5 Siniat Plasterboard (Thickness refer table A Page 41)
6 TRK Friction Track (Dimension refer table A Page 41)
7 Fixing 69
8 Timber Packer (55mmx24mm)
9 Finesse Hinge 2



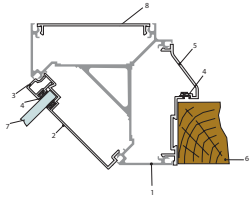
12 3-Way Box Post Showing Clip on Door Stop, Centre Glazing and Curved Infill Detail

1 3-Way Boxed Post Die 6342 (FA 570)
2 Centre Glazing Chair Die 1841 (FA 600) 2
3 Centre Glazing Bead Die 1842 (FA 620)
4 MXG Bubble Seal Gasket 5
5 4 - 6mm Glass 4
6 Door Stop Die 6325 (FA 531)
7 40mm Door
8 Curved Infill Die 6326 (FA 540)



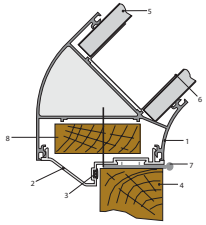
13 3-Way `Y´ Post Showing Clip on Door Stop, Double Glazing and Flat Infill Detail

1 3-Way 'Y' Post Die 6343 (FA 580) 4
2 Offset Glazing Chair Die 1828 (FA 680)
3 Outer Glazing Bead Die 6441 (FA 650) 3
4 MXG Bubble Seal Gasket 4
5 Door Stop Die 6325 (FA 531) 7
6 40mm Door
7 4 - 6mm Glass
8 Flat Infill Die 1826 (FA 542)



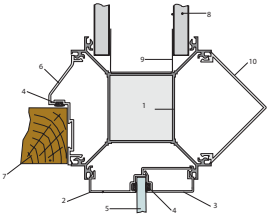
14 135°/45° Corner Detail Showing Clip on Door Stop and Board Details

1 135°/45° Corner Post Die 6324 (FA 550)
2 Door Stop Die 6325 (FA 531)
3 MXG Bubble Seal Gasket
4 40mm Door
5 Siniat Plasterboard (Thickness - efer table A Page 41)
6 TRK Friction Track (Dimensions - refer table A Page 41)
7 Finesse Hinge
8 Timber Packer (55mmx24mm)
9 Fixing



15 4-Way Box Post Showing Clip on Door Stop\Glazing\Angle Infill and Board Detail

1 4-Way Boxed Post Die 53974
2 Centre Glazing Chair Die 1841 (FA 600)
3 Centre Glazing Bead Die 1842 (FA 620)
4 MXG Bubble Seal Gasket
5 4 - 6mm Glass
6 Door Stop Die 6325 (FA 531)
7 40mm Door
8 Siniat Plasterboard (Thickness - refer to Table A on page 41)
9 TRK Friction Track (Dimensions - refer to Table A on page 41)
10 Angled Infill Die 1824 (FA 544)



SPECIFICATIONS

All aluminium and steel components for the Siniat Finesse® Remountable Partition System to be in accordance with components listed in diagrams 1-6 under Primary Aluminium Sections on Page 39; 7 – 11 under Aluminium Abutments on Page 40 and A - D under Components and Diagrams on Page 41, and shall be installed in strict accordance with the design specification and manufacturer's instructions.

Installation Guide
Solid Partition

- Secure Main Post to ceiling, either by positive fix or using Ceiling Grid clips.
- Secure Main Post to vertical abutments, or alternatively, page 26 Fig 10a.
- At junction of horizontal and vertical Main Posts, position internal fixing bracket between nibs provided, align sections, and fix bracket to both sections through predrilled holes provided: refer page 24 Fig. D, Internal Fixing Brackets. Wafertex or 3210 pop rivets can be used.
- Centrally between nibs provided in Main Posts fix the galvanised Friction Track.
- Plumb down position of galvanised Friction Track.
- Secure galvanised Friction Track to floor either by positive fix or use Velcro on carpet/double sided tape on tiled floor.
- Position DSTE Stud vertically in the track at ceiling and floor, spaced at 600mm for 12mm board; 400mm for 9,5mm Siniat Plasterboard.
- Measure height from floor to ceiling, deduct 10mm, and cut partition board to size.
- When installing Siniat Plasterboards:

1 Locate partition board between Friction Track and Main Post sli up into position, or

2 Position board against Friction Track, bow outwards, and locate between Friction Track and Main Post at head. Slide board into position at vertical aluminium sections.

- Ensure that a stud is always positioned centrally at vertical board joints.
- Secure Clamping Strip over board joint. (Clamping Strips must be saw-cut to hold shape). Friction fix Aluminium Cover Trim onto Clamping Strip.
- To fix Clamping Strip for horizontal details, peel pop rivets are recommended. Friction fix Aluminium skirting/cover trim onto clamping strip.
- 100mm skirting to be fixed by drywall screw and PVC infil insert.
- It is recommended that Siniat Plasterboards be covered prior to installation. This minimises on site work and mess, although plain Siniat Plasterboards can be fitted for decoration in situ. Refer to Head and Floor Details Fig.1.2 page 24 / Board joint details page 25 Detail B.

Door Frames

Position Strong Posts vertically from floor to underside of Main Post, secure Main Post to floor with Internal Fixing Brackets, short leg of Internal Fixing Bracket to face door opening. Cut door Transom to size, position between vertical Strong Posts and secure into position with Internal Fixing Brackets. Internal Fixing Brackets to be located between nibs provided in Aluminium extrusions. It is recommended that factory machine finished Door Stop header sections are used, or alternatively measure opening and cut Door Stop sections to size, check door hand and mitre accordingly (clip Door Stop onto loose piece of Strong Post, holding into position for an accurate mitre before cutting). Bubble Seal Gasket to be located into position on Door Stop sections before installation. Clip Door Stop sections into Strong Posts/ Main Posts. Position Finesse Hinge and screw/pop rivet into position, screw/pop rivet to be long enough to reach central web of Strong Post. For full height doors it is recommended that a Timber Packer be used behind Hinges. Cut hole for Lock Box and fix Lock Box into position. For standard door with panel above, it is recommended that panel above door be glazed. Refer to Door Frame details on page 25.

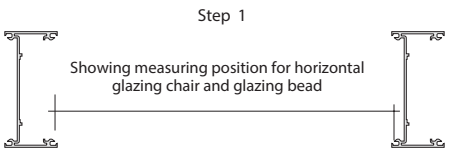
Glazing
A: Preparation

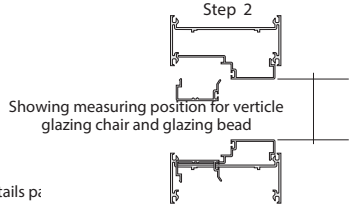
Position Main Post vertically from floor to underside of top Main Post, secure to floor and to top Main Post with Internal Fixing Brackets. For full height glazing, secure Main Post on floor with Internal Fixing Brackets, between vertical Main Posts, open section to face down.

For half glazed panels secure Main Post at level required, between vertical Main Posts. Internal Fixing Brackets to be used to secure sections together.

B: Finishing

Refer to Step 1 and Step 2 below (horizontal glazing sections to be installed first.)





Refer to Glazing details pa

C: Glass
The Siniat Finesse® Remountable Partition System clip in glazing sections, including the Bubble Seal Gasket, has been designed to accept glass from 4mm to 6mm nominal thickness. Where thicker glass is installed, the Bubble Seal Gasket to the Glazing Chair can be omitted. Alternatively, Woodpile can be installed instead of the Bubble Seal Gasket.

Complementary Accessories
A full range of complementary accessories is available in the form of Rounded 90° Corner Post, 135°/45° Corner Post, 3-Way Box Post, 3-Way "Y" Post, 4-Way Box Post, including a full range of moulded Capping Pieces to close open ends of Aluminium sections in low level applications. Various configurations using the full range of add-on fittings are available. When used in a partition wall application, these sections are to run full height floor to ceiling. Refer to Junction Accessories.

Aluminium
All aluminium sections are extruded from grade 6063 Architectural Aluminium available in Mill, Anodized or Powder coated finishes.

Power Skirting
Power Skirting Sections are available in aluminium, complementing the Siniat Finesse® Remountable Partition System.
Floor or Transom fixed within partition thickness. Refer to page 41.
Wall mounted 60mm deep Power Skirting. Die 6420.

Wall Finishes
A range of Vinyls is available; please contact our branches for details.

Low Level Movable Office Partition
Due to the flexibility and range of accessories available in the Siniat Finesse® Remountable Partition System, low level movable office partitions can be easily assembled.

Siniat Finesse® Remountable Partition System
Supply and install Siniat Finesse® Remountable Partition System from Marley Building Systems with overall thickness of 88mm comprising of internal framing formed of 48mm Finesse® galvanised steel studs clipped into position at 600mm centres into Finesse® galvanise steel friction track top and bottom, including where necessary, any additional Finesse® steel friction track to be secured to aluminium door openings, glazing, angles corners, head, termination and floor.
The internal steel framing is to be dressed both sides with 12mm thick 1 195mm wide pre-laminated square edge Siniat plasterboard (specific finish) in single lengths to suite height and secured to the Finesse® steel studding with galvanised steel clamping strips finished with aluminium clip-on cover trim. All exposed aluminium, head sections, wall sections, glazing sections, door frames, corner sections, cover trims, clip-in glazing, clip-in door and skirting are to be formed of (natural anodized/colour anodized/power coated to specific colour, aluminium sections. Maximum height: 3 600mm.

SINIAT COMPOUNDS

Siniat Jointing Compound

Description

Siniat Jointing Compound is a jointing compound used together with Siniat Fibatape at the tapered edge joints of Siniat plasterboards.

Features

- It provides ease of application
- Special additives within its body delay the absorption of joint water by the plasterboard surface
- It has a filler function which creates a smooth surface finish due to special grain distribution
- It has high binding features
- It has a flexible feature which eliminates the chance of cracking on the joints and therefore enables the application surface to work uniformly
- Since it is a breathing material, it creates a healthy atmosphere by balancing the moisture rate

Specifications

Water/Plaster Mixing Ratio:	6-6.5L water to 10kg
Working Time:	60 minutes
Setting Time:	115 – 145 minutes
Shelf Life:	1 year
Coverage Ratio:	40lm per 20kg bag (based on 2 coats)
Packaging Colour:	Dark Orange
Use:	Internal only

Mixing Instructions

1. Use clean water in a clean container
2. Slowly pour Siniat Jointing Compound into clean water
3. Allow Siniat Jointing Compound to stand/soak for 2 minutes before mixing
4. Mix the mortar to obtain lump-free smooth paste
5. Do not over-stir
6. Do not mix with your hands
7. Clean tools and mixing container after each mix
8. Do not mix more Siniat Jointing Compound than you can use in 60 minutes

Application Instructions

- Apply Siniat Jointing Compound to a clean dust free surface
- Apply product to plasterboard joints to specification

Recommendations

- Use low-speed mechanical mixer or mix manually
- Do not add any water or plaster to the mortar aftermixing
- Do not apply when temperature is below 5°C and above 40°C
- Never mix Siniat Jointing Compound with any other product or material
- Siniat Jointing Compound – Pre-filling should be done to the joints that are wider 3mm

Siniat Skimming Compounds
Fields of Use
Interior Areas
- Plasterboard Ceilings
- Plasterboard Walls
- Cement Rendered Walls
- Brick walls

Description:
The Siniat Skimming Compounds are used as finishing compounds in skim finish and can be applied for internal use only.

Siniat Skim Stone
Specifications

Water/Plaster Mixing Ratio 1:2	Add in Siniat Skimstone to clean water. Allow to soak. Stir slowly to a lump free mixture
Working Time	60 to 90 minutes
Setting Time	90 to 120 minutes
Shelf Life	6 months
Packaging	33kg
Coverage Ratio	1-3mm – 18m², 5-6mm – 10m² 12-13mm – 3m² (per 33kg bag)
Application Thickness	1 to 13mm
Packaging Colour	Yellow
Use	Internal only

Mixing Instructions
1. Use clean water in a clean container
2. Slowly pour Siniat Skim Stone/Siniat Skim Lite Plaster into clean water and saturate the water
3. Allow Siniat Skim Stone/Siniat Skim Lite Plaster to stand/soak before mixing
4. Mix to obtain homogenous mix with no lumps and a smooth paste
5. Do not over-stir
6. Do not mix with your hands
7. Clean tools and mixing container after each mix
8. Do not mix more Siniat Skim Stone/Siniat Skim Lite plaster than you can use in 90 minutes

Siniat Skimlite
Specifications:

Water/Plaster Mixing Ratio 1:2	Add in Siniat Skimlite to clean water. Allow to soak Stir slowly to a lump-free mixture
Working Time	45 to 60 minutes
Setting Time	90 to 120 minutes
Shelf Life	6 months
Packaging	40kg
Coverage Ratio	1-3mm – 22m², 5-6mm – 12m² 12-13mm – 4m² (per 40kg bag)
Application Thickness	1 to 13mm
Packaging Colour:	Blue
Use	Internal only

Application instructions
- Apply Siniat Skim Stone/Siniat Skim Lite Plaster to a clean dust-free surface
- Apply paste to area with trowel to specified thickness (recommended 1-3mm)
- Polish
- For best results on concrete/cement plastered wall
- Clean of loose dust particles and moisture
- Apply water base sealer to surface
- Allow to dry
- Apply Siniat Skim Stone/Siniat Skim Lite
- Allow to dry
- Coat with Sealer "impregnated white" as base coat
- Paint with water based paint

Recommendations
- Siniat Skim Stone– utilising 15/17 litres of water in a clean container, add 33kg of Siniat Skim Stone
- Siniat Skim Lite – utilising 20/22 litres of clean water in a clean container, add 40kg of Siniat Skim Lite
- Do not apply when temperature is below 5°C or above 40°C

Siniat Finishing Compound

Description

The Siniat Finishing Compound is an under-paint final layer finishing plaster with high adhesive characteristics on Siniat plasterboard apply Siniat Fibatape to joints

Features

- The Siniat Finishing Compound is used to make any type of wall and Siniat plasterboard surface ready to paint
- The long usage period allows easy and faultless application
- Special additives used in its body delay the Siniat Finishing Compound mortars water to be absorbed from the existing ground
- It has a puffy form which makes for ease of application
- It provides a hard and smooth surface due to its special grain distribution
- Since it is a breathing material, it creates a healthy atmosphere by balancing the moisture rate
- It makes for easy use in humid environments

Specifications

Water/Plaster Mixing Ratio:	6,5 – 7L water to 10kg
Working Time:	60 minutes
Setting Time:	Starts within 20 minutes
Shelf Life:	1 year
Packaging:	25kg
Application Thickness:	1 to 3 mm
Coverage Ratio:	1kg for 1mm of application per m^2
Packaging Colour:	Purple
Use:	Internal only

Mixing Instructions

- Use clean water in a clean container
- Slowly pour Siniat Finishing Compound into cold clean water
- If using a deep mixing container saturate the water with
- Siniat Finishing Compound
- Allow Siniat Finishing Compound to stand/soak for 2 minutes before mixing
- Mix to obtain homogenous mix with no lumps and a smooth paste
- Do not over-stir
- Do not mix with your hands
- Clean tools and mixing container after each mix
- Do not mix more Siniat Finishing Compound than you can use in 60 minutes

Application Instructions

- Apply Siniat Finishing Compound to a clean dust free surface
- Apply paste to area with trowel to specified thickness
- Polish
- For 1mm of application per $1m^2$ approximately 1kg of Siniat Finishing Compound is consumed

Recommendations

- Use low-speed mechanical mixer or mix manually
- Do not add water or plaster to the mortar after mixing
- Do not apply when temperature is below 5°C or above 40°C
- Never mix Siniat Finishing Compound with any other product

Siniat (Compounds)

Application	Plasterboard Joints	Fiba Tape	Full Skim	Plaster Board	Cement Surface	Bonding Agent	Brick Surface	Bonding Agent	Paited Surface	Bonding Primer	Paint Application	Paint Primer	
												PVA	Solvent
Jointing Compound	√	√									√	√	√
Finishing Plaster		√	√	√	√	√	√	√	√	√	√	√	√
Skim Stone Plaster		√	√	√	√	√	√	√	√	√	√		√
Skim Lite Plaster		√	√	√	√	√	√	√	√	√	√		√

ALL MARLEY BUILDING SYSTEMS COMPOUNDS ARE ECOSPECIFIER LISTED

WALL ACCESS HACH

APPLICATION DETAILS - HOW TO INSTALL FOR CONTRACTORS

1. The size of the Siniat Access Hatch will determine the opening size within the framework.
2. Exact height of placement of the Siniat Access Hatch needs to be predetermined.
3. Use Siniat Stud & Track to create a support structure for the Siniat Access Hatch within the partition wall.
4. Cut the intermediate Stud to correlate to the height required above floor level, but cut it 3-5mm to fi t comfortably into the Track.
5. Position the Siniat Track so that the outer frame of the Siniat Access Hatch fits flush onto the support.
6. Use Wafertex screws (3 screws per side, equally spaced) to fi x the outer frame of the Siniat Access Hatch to the support frame.

HOW TO OPEN - END-USERS/TENANTS

1. Push the Siniat Access Hatch hard in the centre with your hand until it releases and opens.
2. A spring retention feature will prevent the Siniat Access Hatch door from opening widely, but support the door with your hand to prevent free-falling.

Siniat access Hatch is available in various sizes:

300 x 300mm.
400 x 400mm.
600 x 600mm.
900 x 900mm

MARLEY BUILDING SYSTEM SOLUTIONS FOR LIFE

GAUTENG BRANCHES

BRONKHORSTSPRUIT
(Sales Branch and Roofing Plant)
Galena Street, Ekandustria
Tel: (+27 13) 933 3351
Fax: (+27 13) 933 3436
Email: ekangala@marley.co.za
Mon-Thurs: 08:00-16:30
Friday: 08:00-15:30

EAST RAND
Jamela Park, No. 60 Denne Road, Hughes Ext 21
Tel: (+27 11) 826 1707
Fax: (+27 11) 826 1708
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

PRETORIA CENTRAL
12A WF Nkomo Street, Pretoria Central, 0001
Tel: (+27 12) 325 2408
Fax: (+27 12) 325 2409
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00
Sat: 08:00-11:00

PRETORIA EAST
219B Battery Street, Willows Business Park,
Silverton, Pretoria, 0127
Tel: (+27 12) 803 1772
Fax: (+27 12) 803 1779
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

ROODEKOP
(Steel Plant)
4 Berry Street, Roodekop, 1401
Tel: (+27 11) 866-2233/2333
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

ROODEKOP
(Sales Branch, Training Centre and
Plasterboard Plant)
2 Setchell Road, Roodekop, 1401
Tel: (+27 11) 865 2390
Fax: (+27 11) 865 2398
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

TROYEVILLE
No. 2, 4th Street, Doornfontein, Johannesburg
Tel: (+27 11) 402 4747
Fax: (+27 11) 402 4749
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00
Sat: 08:00-11:00

WYNBERG
Cnr Andries North & Chadwick Street, Wynberg,
Sandton
Tel: (+27 11) 444 8020
Fax: (+27 11) 444 8077
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00
Sat: 08:00-11:00

COASTAL BRANCHES

CAPE TOWN
166 Gunner Circle, Epping 1, Cape Town, 7405
Tel: (+27 21) 534 2039
Fax: (+27 21) 534 1803
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

CAPE TOWN
(Sales Branch and Roofing Plant)
Rochester Road, Philippi, Cape Town,
Western Cape
Tel: (+27 21) 374 1018
Fax: (+27 86) 543 3984
Email: capetown@marley.co.za
Mon-Thurs: 08:00-16:30
Friday: 08:00-15:00

DURBAN
Unit 1 Grid Zone Office Park,
57 River Horse Road, River Horse Valley
Tel: (+27 31) 512 5054/5/6/7
Fax: (+27 31) 512 5175
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

GEORGE
(Sales Branch and Depot)
Unit 52, Ivory Street, Tamsui Industria, George
Tel: (+27 44) 878 1578/1461
Fax: (+27 44) 878 1583
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

PORT ELIZABETH
Cnr Fettes Road & Harrower Road, North End,
Port Elizabeth
Tel: (+27 41) 373 2295
Fax: (+27 41) 373 0075
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

TONGAAT
(Sales Branch and Roofing Plant)
35-37 Edmund Morewood Road, Trurolands,
KwaZulu-Natal
Tel: (+27 32) 944 4155
Fax: (+27 32) 944 7796
Email: tongaat@marley.co.za
Mon-Thurs: 08:00-16:30
Friday: 08:00-15:00

INLAND BRANCHES

BLOEMFONTEIN
20 Kraal Street, Cnr of Alpha & Kraal Str,
Old Industrial Area
Tel: (+27 51) 447 1024
Fax: (+27 51) 447 1074
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

NELSPRUIT
(Sales Branch and Depot)
2 Waterfall Street, Riverside Industrial, Riverside,
Nelspruit, 1200
Tel: (+27 13) 752 2129
Fax: (+27 13) 752 2160
Email: nelspruit@marley.co.za
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

POLOKWANE
(Sales Branch and Depot)
Unit 25 & 26, Corporate Park, Marmer Street,
Polokwane Ext 12
Email: polokwane@marley.co.za
Tel: (+27 15) 293 2985/83/26
Fax: (+27 15) 293 2928
Mon-Thurs: 07:30-16:30
Friday: 07:30-14:00

EXPORT BRANCHES

BOTSWANA
Plot 22016 Unit B & C, Gaborone, West
Industrial, PO Box AE366, AEH Gaborone,
Botswana
Tel: (+00 267) 316 7732/34
Fax: (+00 267) 316 7753
Mon-Thurs: 07:30-17:00
Friday: 07:30-15:00

MAPUTO
Rua Das Estancias 344, Warehouse 3 & 4,
Maputo, Moçambique
Tel: (+00 258) 213 10063
Fax: (+00 258) 213 10068
Mon-Fri: 07:30-16:30

NAMIBIA
ERF 545, Dante Street, Prosperita
Windhoek

Head Office

44 Industry Road, Clayville Ext 4, Olifantsfontein 1666
PO Box 127, Olifantsfontein, 1665
Tel: (27 11) 316 2121
Fax: (27 11) 316 4138
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