MARLEY
Building Systems

Ceiling 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 the 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 experience that spans more than 60 years, we aim not only to supply products and services that redefine building methodology, but also give complete peace of mind.

SABS
ISO 14001

SABS
OHSAS 18001

pwc
ISO 9001
Certified Company

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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

SINIAT
CEILING SOLUTIONS
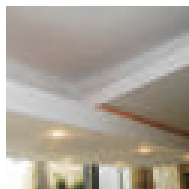
siniat

MARLEY
Building Systems

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

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 automated 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

green product community

VERIFIED PRODUCT
FIND US ON

ecospecifier.co.za

trust brands™

GLOBAL
GREEN TAG CERTIFIED

BRONZE
STREAMLINED
GBCSA | Level B
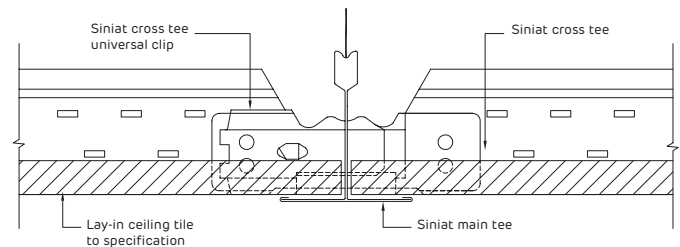SOUTH AFRICA

trust brands™

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SINIAT CEILING SOLUTIONS

- The Siniat Suspended Ceiling Grid is an exposed face tee system. The grid is manufactured from galvanised steel which is capped across the exposed face. The Siniat Cross Tee has a specially designed 'clip' fixed at each end. This 'clip' enables the Siniat Cross Tee to 'click' into position, making an audible 'click' sound as it does so, thereby confirming that the tee section is located correctly.
- The Siniat Main Tee ends are designed to ensure that the Main Tees easily line up to each other, while at the same time ensuring a tighter connection.
- The Siniat Cross Tee is then easily clipped into position by lining the end up to the right side of the pre-punched opening of the Siniat Main Tee.
- The opposite Siniat Cross Tee is then inserted in the same manner.
- The audible 'click' sound confirms that the correct location has been found and signifies that the Siniat Cross Tee is locked firmly into position.
- The size and design of the Siniat Cross Tee end clips facilitates simple and easy assembly of the Siniat Ceiling System.
- Siniat Ceiling Grid can be dismantled as quickly and simply as it is connected. This ensures a high degree of re-usability of the Siniat Cross Tees.
- The unique clipping system allows for easy, one-handed Siniat Ceiling Grid assembly, which can speed up construction time significantly.

Product Information
- 24 and 35mm exposed face white (black or grey on special requested lead times).
- 35mm exposed face (knurled) is galvanised.
- End Clip-locking type.
- Reinforced and stable structure.
- Siniat exposed Main Tees with slots at 300mm centres.
- Siniat Cross Tees (1 200mm) have a centre slot.
- Siniat Cross Tees (600mm) have no slots.

Siniat cross tee universal clip

Siniat cross tee

Lay-in ceiling tile to specification

Siniat main tee

A.   1 200 x 600mm Grid (Exposed)

1   Main tees 3 600mm long at 1 200mm centres. Multiply total ceiling area x 0,232 = number of main tees.

2   Cross tees 1 200mm long at 600mm centres. Multiply total ceiling area x 1,383 = number of cross tees.

3   Wall angle = total length of wall divided by 3,6 = number of wall angles.

4   Suspension hangers at maximum 1 200mm centres. Total ceiling area divided by 1,25 = number of hangers.

5   Siniat vinyl tiles 1 200 x 600mm: total ceiling area divided by 0,72 = number of ceiling tiles.

B.   600 x 600mm Grid (Exposed)

     1,2,3,4 as 1 200 x 600mm grid.

6   Take the number of 1 200 cross tees and multiply by 1 = 600mm cross tees needed.

7   Siniat vinyl tiles 600 x 600mm: Total ceiling area divided by 0,36 = number of tiles.

C.   1 200 x 400mm Grid (Plaster)

     1,4 as 1 200 x 600mm grid.

11   Cross tees 1 200mm long at 400mm centres. Multiply total ceiling area x 2,08 = number of cross tees.

12   Shadow line plaster trim = Total length of wall divided by 3 = number of shadow line plaster trim.

13   Siniat plasterboard m² of board divided into total ceiling area = number of boards.

Steel Brandering

A   At 300mm centres 3.3 metres of Steel Brandering per m².

B   At 400mm centres 2.5 metres of Steel Brandering per m².

C   At 500mm centres 2 metres of Steel Brandering per m².

Allow for a Suspension Bracket at every fixing point spaced at maximum 1 200mm centres. (Total length of Steel Brandering divided by 1.2 equals the quantity of fixing brackets). Allow for one Joiner for every length of Steel Brandering.

NB: The above calculations will provide approximate quantities and do not allow for wastage. Installation of the grid shall be in accordance with the manufacturers specification, as well as the guidelines laid out for SABISA (The South African Building Interior Sub-Contractors Association).

1.   Determine the ceiling level around the room.
2.   Fix wall angle to the wall with nails or screws at 400mm intervals.
3.   Hang Siniat Main Tee at 1 200mm intervals, measuring from the centre point,
4.   with galvanised steel suspension wires at 1 200mm. Wrap the 2,5mm strained suspension wire tightly at least 3 full turns around itself.
5.   Insert 1 200mm Siniat Ceiling Grid Cross Tee at right angles to the 3 600mm Main Tees.
6.   Lay-in the Siniat Plasterboard tiles.

Concealed Screw Up Joint Ceiling Installation
1.   Determine the desired ceiling level around the room.
2.   Fix perimeter trim to the wall at the desired ceiling level.
3.   Hang the main tee with ridged hanger at 1 200mm spacing.
4.   Insert Siniat Plaster Grid Cross Tee to the Siniat Plaster Grid Main Tee at 400mm spacing slot provided in Main Tee Web, for 9mm and 12mm Siniat Plasterboard.
5.   Attach tapered-edge plasterboard to the face of the Siniat Plaster Grid frame by fixing the 25mm drywall screw into it. (Siniat Plasterboards should be fixed in the same direction as the Siniat Plaster Grid Cross Tee). The space between each screw should not exceed 150mm
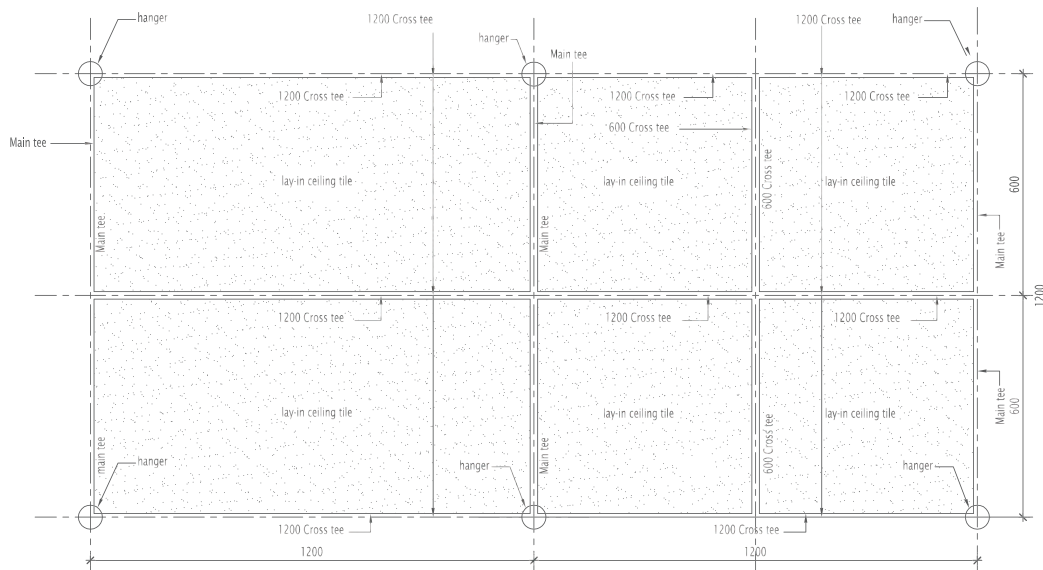
6.   Conceal the screw dimple with Siniat Jointing Compound.
7.   Conceal the joint using Siniat Fibatape and Siniat Jointing Compound.

Tips on Ceiling Installation:
1.   If the area of the plastered ceiling is more than 225m², expansion joints must be used at 15m intervals in order to prevent cracking. (This expansion joint is usually specified by the professional team).
2.   For the room requiring plasterboard for both ceiling and partition, install the ceiling first. However, if specific sound insulation is needed, install the partition first.
3.   For any ceiling system, leave enough ventilation above the ceiling. This helps to prevent sagging.
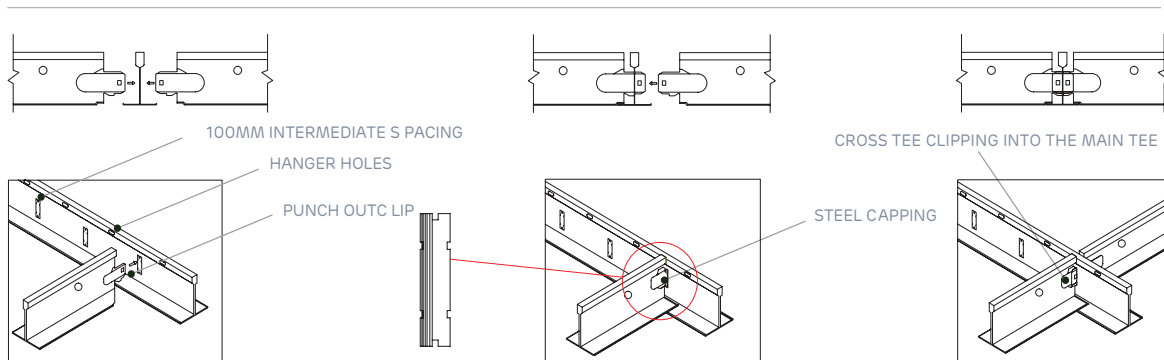
Finishing off a Ceiling:
The Siniat line of decorative mouldings adds a luxury feel to any room. The Siniat light-weight non-toxic mouldings are simple to install, leaving a modern professional finish to a building or renovation project. There are several individual mouldings to choose from, whether you require a simple functional moulding, or a decorative profile, an ordinary room will be turned into a beautiful finished space with Siniat Decorative Mouldings. Alternatively use the Siniat 75mm Cove.


Exposed Ceiling Layout

SUSPENDED GRID

A) INSTALLING THE CROSS TEE INTO THE MAIN TEE

100MM INTERMEDIATE S PACING

HANGER HOLES

PUNCH OUTC LIP

CROSS TEE CLIPPING INTO THE MAIN TEE

STEEL CAPPING

1. The Cross Tee is in position, showing ratchet position.

2. Ensure that the clip fits into one side of the intermediate hole, one intermediate can slot two clips.

3. Ensure that there is a clicking sound when the Cross Tee clips into the Main Tee.

4. Now clip in the Cross Tee into the opposite side of the Main Tee .
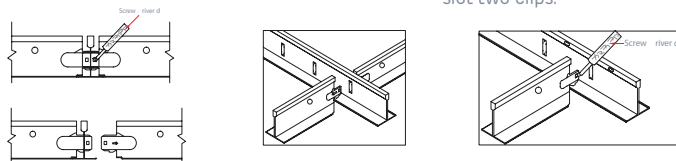
Screw river d

Screw river d

5. To dismantle the Cross Tee from Main Tee, you need to:
   • Use a small screw driver to push the clip back in.
   • Slowly pull out the Cross Tee horizontally on the one side.
   • By using a screw driver, re-align the clip from the inside before re-installing the Cross Tee to the Main Tee.

FEATURES AND BENEFITS

1. Added strength through innovation, with a safety factor of 2.5, enabling the Siniat Master Grid™ to handle a minimum weight of 27kg/m² at hanger spacing of 1.2metres.

2. Incomparable versatility and flexibility offered as a result of the newly defined Intermediate slot location at 100mm intervals in the Main Tee and Hanger Holes at 65mm intervals located on the bulb of the Main Tee.

   This allows Main Tees to accommodate non-standard sizes of boards around the perimeter, as well as more frequent support to accommodate multiple boards for high-tech solutions in acoustics and thermal solutions.

3. Astounding rigidity and stability, ensuring uncompromised grid strength and, as such, low deflection under load.

4. Class-leading quality standards accomplished, that are yet be challenged – SANS 2001: EC and BS 13964.

5. Siniat Master Grid™ now offers an improved clipping mechanism, ensuring remarkable system integrity at the most integral part of the grid, enhancing installation efficiencies. The design of the clip allows the T-sections to be re-used.

6. Exceptional fire safety due to innovative Fire Punch Out holes that retain the integrity of the Main Tee by allowing for the expansion in the event of a fire, thus preventing the ceiling panels falling from the grid system.

## B) INSTALLING THE MAIN TEE INTO ANOTHER MAIN TEE

FIRE PUNCH OUT

1. Ensure that there is a clip sound when the Main Tee clips into each other.

2. When installing the Main Tees, the Fires Punch Out should face the same direction. Ensure that they are not next to each other.

PRODUCT INFORMATION

STOCK CODE	DESCRIPTION	SIZE	QUANTITY
LMG SMT	Main Tee	3 600mm	20
LMG SCT	Cross Tee	1 200mm	60
LMG SCT	Cross Tee	600mm	60

HOW TO DISMANTLE THE MAIN TEES
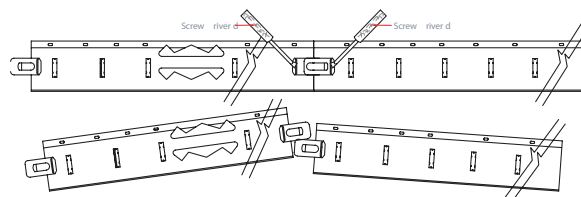
Screw river d   Screw river d

3. To dismantle both Main Tees:
 • Hold both Main Tees.
 • Use two small screw drivers, slot them into the clip, twist and click out (this method will help you use Main Tees several times).
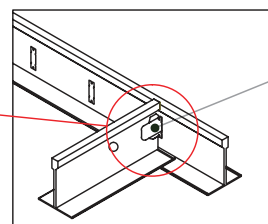 • Slide both Main Tees away from each other

PLASTER GRID
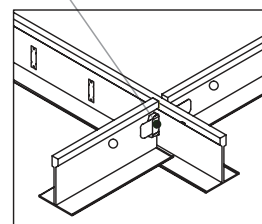
CROSS TEE CLIPPING INTO THE MAIN TEE
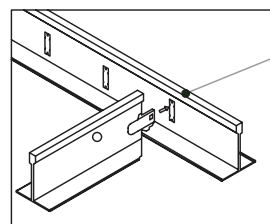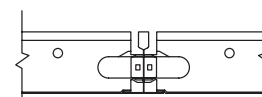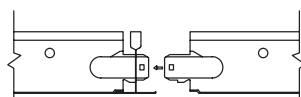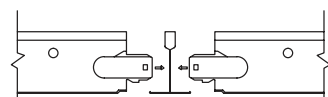
NO HANGER HOLES

STEEL CAPPING

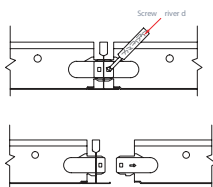1. The Cross Tee should be in position, showing ratchet position.

2. Ensure that the clip fits into one side of the intermediate hole; one intermediate can slot two clips.

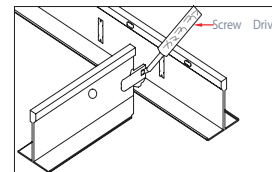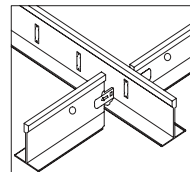3. Ensure that there is a clicking sound when the Cross Tee clips into the Main Tee.

4. Now clip the other Cross Tee into the opposite side.

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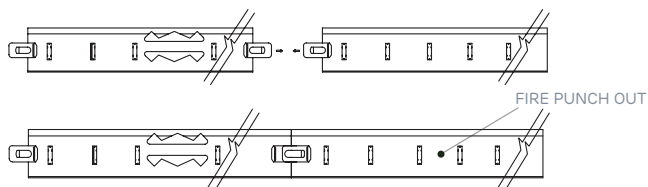
PLASTER GRID

Screw river d

5. To dismantle the Cross Tee from Main Tee, you need to:

- Use a small screw driver to push the clip back in.
- Slowly pull out the Cross Tee horizontally on the one side.
- By using a screw driver, re-align the clip from the inside before re-installing the Cross Tee to the Main Tee.
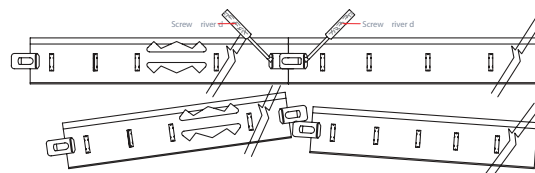

Screw Driver

B) INSTALLING THE MAIN TEE INTO ANOTHER MAIN TEE

FIRE PUNCH OUT

1. Ensure that there is a clicking sound when installing the Main Tee into another Main Tee.

2. When installing the Main Tees, the Fires Punch Out should face the same direction. Ensure that they are not next to each other.

HOW TO DISMANTLE THE MAIN TEES

Screw river d   Screw river d

3. To dismantle both Main Tees:
   - Hold both Main Tees.
   - Use two small screw drivers, slot them into the clip, twist and click out (this method will help you use Main Tees several times).
   - Slide both Main Tees away from each other.

PRODUCT INFORMATION

STOCK CODE	DESCRIPTION	SIZE	QUANTITY
LMG PMT	Main Tee	3 600mm	20
LMG PCT	Cross Tee	1 200mm	60

* WIDE FACE NOW AVAILABLE IN : CREAM, WHITE, GREY AND BLACK

FEATURES AND BENEFITS

1. Added strength through innovation, with a safety factor of 2.5, enabling the Siniat Master Grid™ to handle a minimum weight of 41kg/m².

2. Incomparable versatility and flexibility offered as a result of the newly defined slot location at 100mm intervals in the Main Tee.

3. Astounding rigidity and stability, ensuring uncompromised grid strength and, as such, low deflection under load.

4. Class-leading quality standards accomplished, that are yet to be challenged – SANS 2001: EC and BS 13964.

5. Siniat Master Grid™ now offers an improved clipping mechanism, ensuring remarkable system integrity at the most integral part of the grid, enhancing installation efficiencies. The design of the clip allows the T-sections to be re-used.

6. Exceptional fire safety due to innovative Fire Punch Out holes that retain the integrity of the Main Tee by allowing for the expansion in the event of a fire, thus preventing the ceiling panels falling from the grid system.

SINIAT PERIMETER TRIMS

Description	Size	Code	Code	Length mm	Units per box	Mass Kg per box
Standard Wall Angle	19x25	White GPT WA	Black GPT WA	3 600	20	14,47
Standard Line Wall Angle	25x19x15x15	White GPT SWA	Black GPT SWA	3 600	20	18,80
Shadow Line Plaster Trim	22x45x15	White GPT PTS	Black GPT PTS	3 600	30	37,98
Aluminium Shadow Line Plaster Trim	22x45x15	Natural Anodised	Powder Coated	3 000	20	25,0
Aluminium Suspended/Flush Plaster Ceiling Junction	47.2x28.0	Natural Anodised	Powder Coated	3 000	20	30,0
Wall Angle Flexible	19x25	White WAF		2 400	5	4,0

STEEL SECTIONS

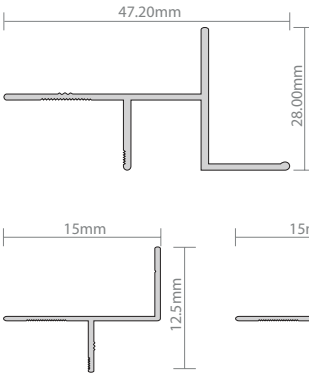### Standard Wall Angle
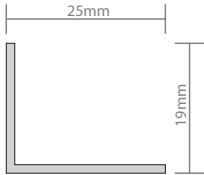
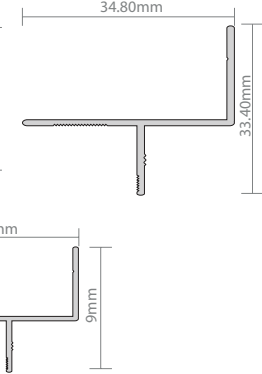### Shadowline Wall Angle
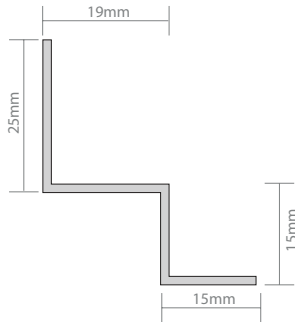
ALUMINIUM SECTIONS

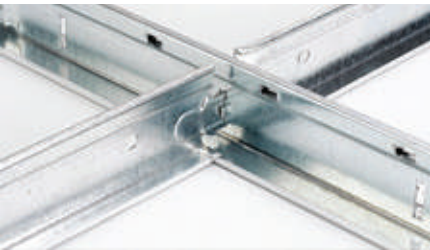Plaster Ceiling Junction
Die 6639

Plasterboard Trim Aluminium
Die 6640

MAIN TEE CONNECTION

CROSS TEE CONNECTION

WALL ANGLE DETAIL

an etex company

SPECIFICATIONS

Siniat Ceiling Grid exposed Face 24mm (1 200x600 system)
Supply and install Siniat Ceiling Grid exposed face 24mm tee suspended ceiling grid system. Main tee's spaced at 1 200mm and cross tee's spaced at 600mm (1 200x600 system). Ceiling tee's to be white capped. Main tee's supported at 1 200mm maximum. Installation to be in accordance with SABISA (South African Building Interior Systems Association) installation guidelines.

Siniat Ceiling Grid exposed Face 24mm (600x600 system)
Supply and install Siniat Ceiling Grid exposed face 24mm tee suspended ceiling grid system. Main tee's spaced at 1 200mm and cross tee's spaced at 600mm with 600mm cross tee's spaced between 1 200mm cross tee's at 600 centres (600x600 system). Ceiling tee's to be white capped. Main tee's supported at 1 200mm maximum. Installation to be in accordance with SABISA (South African Building Interior Systems Association) installation guidelines.

Siniat Ceiling Grid exposed Face 35mm (1 200x600 system)
Supply and install Siniat Ceiling Grid exposed face 35mm tee suspended ceiling grid system. Main tee's spaced at 1 200mm and cross tee's spaced at 600mm (1 200x600 system). Ceiling tee's to be white capped. Main tee's supported at 1 200mm maximum. Installation to be in accordance with SABISA (South African Building Interior Systems Association) installation guidelines.

Siniat Ceiling Grid exposed Face 35mm (600x600 system)
Supply and install Siniat Ceiling Grid exposed face 35mm tee suspended ceiling grid system. Main tee's spaced at 1 200mm and cross tee's spaced at 600mm with 600mm cross tee's spaced between 1 200mm cross tee's at 600 centres (600x600 system). Ceiling tee's to be white capped. Main tee's supported at 1 200mm maximum. Installation to be in accordance with SABISA (South African Building Interior Systems Association) installation guidelines.

Siniat Plaster grid concealed (1 200X400 system)
Supply and install Siniat Ceiling Grid exposed face 35mm tee suspended ceiling grid system. Main tee's spaced a t 1 200mm & cross tee's space at 400mm (1 200X400 system). Ceiling tee's to be glavanised steel knurled capped.

Ceiling Grid clad with single layer in either 9mm or 12mm tapered edge Siniat Plasterboard fixed with 25mm drywall screws spaced at 150mm centres. Joints are to be tapped and jointed with Siniat Jointing Compound and prepared for painting or joints to be tapped and jointed and complete surface to be plastered in Siniat Skim Stone average thickness 3mm, to manufacturer specification. Main tee's supported at 1 200mm maximum, suspension to be ridged and constructed from galvanised steel angles. Installation to be in accordance with SABISA (South African Building Interior Systems Association) installation guidelines.

Method 1 Wire Suspension
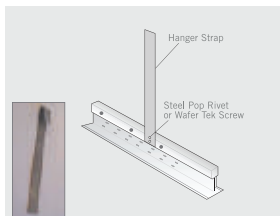

Method 2 Hanger Strap
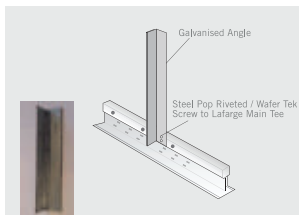
Method 3 Galvanised Angle

Method 4 Direct Fix System for windload conditions

Method 5 Sub Grid Fix

Note
- Where necessary, light fittings may require additional support.
- Air ducting etc., should be suspended/supported on its own sub-frame and should be in place before commencement with the ceiling grid installation. The ceiling tiles should not be suspended from the ducting either.
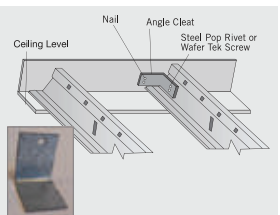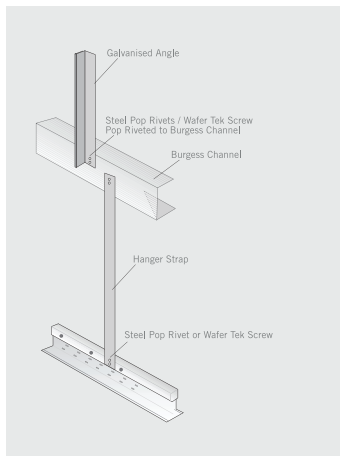- Insulation materials can be laid over the ceiling grid system in the ceiling void.

Fixed Ceiling

Siniat offers three solutions in fixed ceiling solutions, suspended plaster grid - steel brandering and direct fixed timber methods.
- Use 9mm tapered-edge plasterboard for ceiling installation and 12 or 15mm Siniat Plasterboard for drywall installation.
- Tapered-edge Siniat Plasterboard is recommended for both drywall partition and ceiling, since Siniat Fibatape and Siniat Jointing Compound can smoothly conceal the joint.
- Square-edge Siniat Plasterboard is recommended for T-bar lay-in ceiling system.
- For double-layered installation, the first layer should be hung one way and the finishing, or second layer, perpendicular or staggered. This method provides a stronger ceiling and additional fire resistance.
- When driving screws into Siniat Plasterboard, set the screws at the proper depth for maximum holding power. The depth of the screw can be adjusted by moving the nose of the screwdriver either in or out.
- Spacing of each screw should not exceed 220mm for partitions and 150mm for ceilings and be about 10mm from the edges of the board.
- Drive the screws from the centre to the side of the board. If the partition is installed first, then allow 5mm spacing between ceiling and partition for adjustment in case that the ceiling is moveable.

Installation of Ceiling 6.4mm Siniat Plasterboard
1. Determine the ceiling height around the room.
2. Set up the grids by using 38 x 38mm timber/steel brandering at 400mm, spacing for 6.4mm Siniat Plasterboard.
3. Fix square-edge Siniat Plasterboard to the grids by nailing materials firmly. Keep 10mm space between each Siniat Plasterboard.
4. Locate H profile strips at plasterboard joints.
5. Conceal the nail dimple with Siniat Jointing Compound.

TYPICAL 3 DIMENSIONAL CONSTRUCTION DETAIL
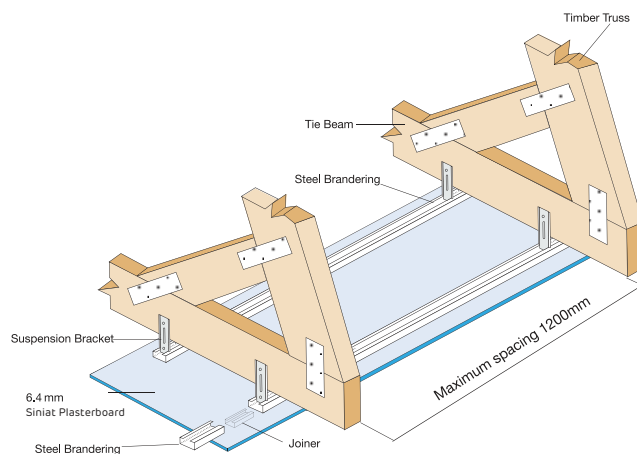
SINIAT
6.4MM PLASTERBOARD

Features:

- Siniat 6.4mm plasterboard has a harder core offering a cleaner cut and therefore a cleaner working environment.
- The Siniat 6.4mm plasterboard has been formulated to eliminate sagging.
- The Siniat 6.4mm plasterboard allows for better handling due to a more rigid core recipe, reducing the risk of breaking on site.
- Siniat 6.4mm plasterboard can be curved to offer that unique bulkhead shape.
- The best finish is achieved by installing the boards on the Siniat steel brandering system.

Product available in:

900mm width in lengths of 2 400mm, 2 700mm, 3 000mm, 3 300mm, 3 600mm and 4 200mm

1 200mm width in lengths of 2 400mm, 2 700mm, 3 000mm, 3 300mm, 3 600mm and 4 200mm

Siniat Steel Brandering has been designed as an alternative to timber brandering. Siniat Steel Brandering can also be used in bulkhead construction. A range of joiners are available to facilitate easy bulkhead construction.

Advantages:
1. Cost effective
2. Easy transportation
3. Handling and stacking
4. Easy levelling of suspension bracket
5. Straightness
6. Varied lengths
7. Ease of cutting
8. Minimum wastage
9. Easy installation
10. Eco friendly
11. More level finish

Steel brandering should be installed as follows:
1. Steel brandering sections must be fixed at 90 degrees to the roof trusses.
2. The suspension bracket to be fixed to the Tie-Beam by either nail or screw at maximum 1 200mm centres and located into Siniat Steel Brandering.
3. The brandering should be fixed at centres as indicated in table 2.
4. The Siniat Ceiling Plasterboard should be fixed at 90 degrees to the Siniat Steel Brandering e.g. parallel to the roof trusses, with drywall screws spaced at maximum 150mm centres.
5. The Siniat Steel Brandering system can be used with the 6.4mm Ceiling and H Jointing Strip, or Tape and Jointed ceiling system, or Flush Plastered ceiling system when 9mm or 12mm ceiling boards are used.
6. The joiner section must be used to join two pieces of Siniat Steel Brandering or when changing direction on a hip roof.
7. It is advisable to fix a 20 x 20 steel angle to the perimeter walls as a support for the Siniat Steel Brandering and Siniat Plaster board fixing, this will ensure a solid base for cornice fixing.
Note: Truss (Tie-Beam) spacings should not exceed 1 200mm.

Siniat Steel Brandering system

Siniat Steel Brandering   Table 1

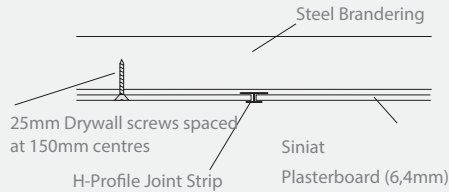| Product Code	Description	Product Length
GLBR	Steel Brandering	2 400mm / 2 700mm / 3 000mm / 3 600mm 4 200mm
GLJR	Joiner	75mm
GLSB	Suspension Bracket	150mm

When using steel brandering for a flush plastered ceiling all tie beams or suspension must be adequately braced to prevent movement.

Steel Brandering Centres   Table 2

Type of Ceiling	Brandering Centres	Siniat Board Fixing
6,4mm Siniat Board H Jointing Strip Tape and Jointed	400mm centres in one direction only.	25mm Drywall screws spaced at 150mm centres
9mm Siniat Board Tape and Jointed	500mm centres in one direction only.	25mm Drywall screws spaced at 150mm centres
9mm Siniat Board Plastered Ceilings	400mm centres in one direction only.	25mm Drywall screws spaced at 150mm centres

Typical Joint Detail for 6,4mm Siniat Plasterboard Ceiling

Steel Brandering

25mm Drywall screws spaced at 150mm centres

Siniat Plasterboard (6,4mm)

H-Profile Joint Strip

Typical Joint Detail for 9mm T/E Siniat Plasterboard Ceiling

25mm Drywall screws spaced at 150mm centres

Siniat Steel Brandering

Siniat Jointing Compound

Jointing Tape

9mm T/E Siniat Plasterboard

Siniat Support Components

Suspension Bracket
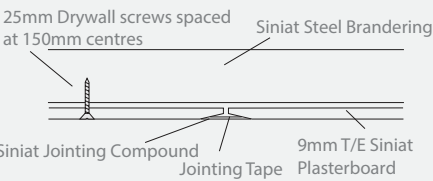
Steel Brandering   Joiner
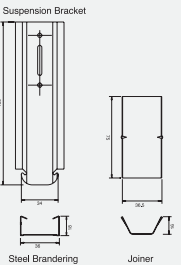
Typical Siniat Skimmed Residential Ceiling

38 x 38mm   50 x 38mm   38 x 38mm

9mm Siniat Plasterboard

Mesh Tape

Skimming Compound
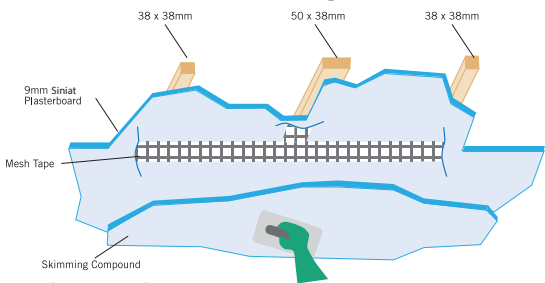
Sections not drawn to scale

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3. Wall angle, total length of wall divided by 3,6 = number of wall angles.
4. Suspension hangers at maximum 1 200mm centres. Total ceiling area divided by 1,25 = number of hangers.
5. Siniat vinyl tiles 1 200 x 600mm: total ceiling area divided by 0,72 = number of ceiling tiles.

B. 600 x 600mm Grid (Exposed)
   1,2,3,4 as 1 200 x 600mm grid.
6. Take the number of 1 200 cross tees and multiply by 1 = 600mm cross tees needed.
7. Siniat vinyl tiles 600 x 600mm: Total ceiling area divided by 0,36 = number of tiles.

C. 1 200 x 400mm Grid (Plaster)
   1 & 4 as 1 200 x 600mm grid.
11. Cross tees 1 200mm long at 400mm centres. Multiply total ceiling area x 2,08 = number of cross tees.
12. Shadow line plaster trim = Total length of wall divided by 3 = number of shadow line plaster trim.
13. Siniat plasterboard m² of board divided into total ceiling area = number of boards

Steel Brandering
A. At 300mm centres 3.3 metres of Steel Brandering per m²

B. At 400mm centres 2.5 metres of Steel Brandering per m²

C. At 500mm centres 2 metres of Steel Brandering per m²

Allow for a Suspension Bracket at every fixing point spaced at maximum 1 200mm centres. (Total length of steel brandering divided by 1.2 equals the quantity of fixing brackets). Allow for one Joiner for every length of Steel Brandering.

NB: The above calculations will provide approximate quantities and do not allow for wastage. Installation of grid shall be in accordance with the manufacturer's specification, as well as the guidelines laid out for SABISA (The South African Building Interior Sub-contractors Association).

Supply and install Siniat 6.4mm or 9mm residential plasterboard:

The system is to consist of 6.4mm or 9mm plasterboard fastened to a levelled Siniat steel brandering system including all joints, brackets and fixings.
• Materials fixing and fastening must be in accordance with Siniat fixing and installation methods, and must conform to the "SABISA" General Installation Guidelines for Ceilings.
• Joint 6,4 mm ceiling boards with H profile jointing strip.
• Allow extra over for the supply and installation of (50/75/100mm) 14kg/m² insulation on top of ceiling.
• Allow extra over for Siniat Ceiling Access Panel (top hinged/bottom Hinged/lay in).
• Allow extra over for Siniat decorative moulding and adhesive.
• Allow extra over for Siniat 75mm Cove Cornice.

Material Calculations for Siniat Ceiling Grid
A   1 200 x 600mm Grid (Exposed)
1. Main tees 3 600mm long at 1 200mm centres. Multiply total ceiling area x 0,232 = number of main tees.

2 Cross tees 1 200mm long at 600mm centres. Multiply total ceiling area x 1,383 = number of cross tees.

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SINIAT SUPPORT COMPONENT AND SINIAT STEEL BRANDERINGS

| H-Strip Joiner | Steel Brandering Joiner | Plaster Ceiling Junction | Perimeter Trims (Shadowline) (Standard) | Steel Brandering and Junction | Hold Down Clips |

SINIAT FIXINGS

Wafer Tek Screw Wood Screw Shots and Pins Jack Point Screws Fluted Nails
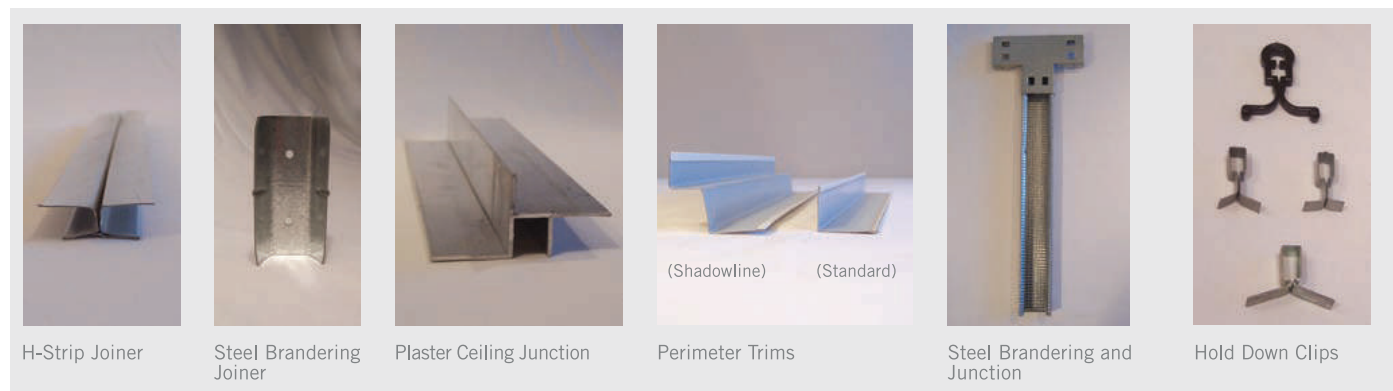
Nail in Anchor Hexagonal Bolt Steel Pop Rivets/ Wafer Tek Screws Purlin Grid Clips Ceiling Grid Clips Advertising Display Hangers
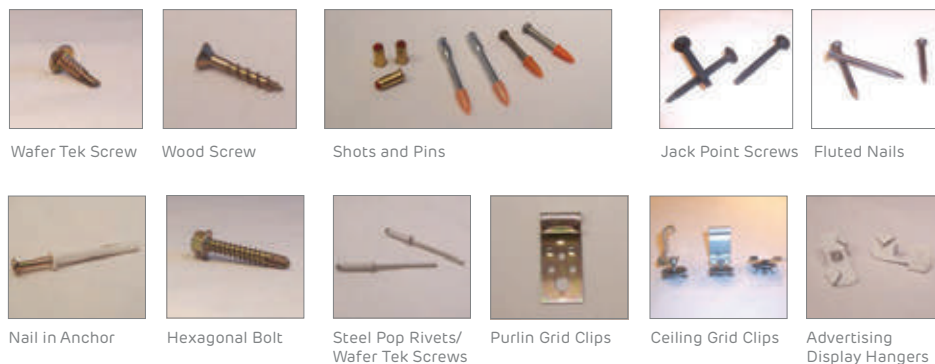
SINIAT PERIMETER OPTIONS

Wall Angle

Shadowline Wall Angle

Tools
- Drywall Gun (Drill)
- Hammer
- Pop Riveter
- Masonary and Steel Bits

SINIAT JOINERS FOR STEEL BRANDERING

Junctions For Steel Brandering

T-Junction
L-Junction
Cross-Junction

T **L** **+**

Direct Fix

Suspension Bracket

Joiner

Steel Brandering

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VINYL CEILING TILES

Siniat ceiling tiles are a range of ready to use plasterboard ceiling tiles available in various patterns and textures.

The Siniat Ceiling Tiles are superb for modern building decoration without further painting and are easy to keep clean. Available in square edge for lay-in ceiling installations.

Siniat has established a reputation for high quality ceiling tiles. These tiles are manufactured with our quality Siniat plasterboard. When coupled with our Master Grid ™ ceiling grid, the solution provides a high quality aesthetic ceiling that is quick and easy to install.

Support Structure

To ensure a high standard of finish, it is essential that the supporting structure is accurate and sound. Additional supports are required at positions of light fittings. Air conditioners/ ventilating equipment are not to be supported from ceiling grid and must have their own support system.

Care should be taken to ensure that Siniat ceiling tiles are not dropped or subjected to rough handling. Siniat ceiling tiles should be stored in a dry area. The stacks must be packed on suitable timber supports, maximum 400mm apart and off the ground (supports maximum 100 mm from ends).

Siniat Plasterboard consists of an aerated gypsum core firmly bonded on both sides with a special plasterboard liner. These characteristics of gypsum provide plasterboard with outstanding advantages over other flat sheet materials.

GENERAL DESIGN CRITERIA

Siniat has established a reputation for high quality ceiling tiles.

The information contained in this brochure serves as a general guide. Architects, engineers and specifiers must approve the final design and construction criteria, as well as other implications on site.

Supporting Structure

To ensure a high standard of finish, it is essential that the supporting structure is accurate and sound. Additional supports are required at positions of light fittings. Air conditioners/ ventilating equipment must not to be supported from ceiling grid and must have their own independent support system.

Fixing Accessories

A complete range of Siniat Ceiling Grid ceiling tees are available. Please refer to the Siniat Ceiling Grid part of this brochure. Hold down clips must be used in areas where wind updraft could cause tiles to lift, or where light tiles will be used, <3kg.

ADVANTAGES

- Lighter mass
  9mm 6.8 kgs/m²
  12mm 8.8 kgs/m²
- Easy to handle
- Quick to install
- Vinyl laminate
- Easy to clean
- Easy to cut
- Siniat Ceiling Grid deflection - SABS 7228 15 EMT01
- Sag Test BS8290
- Sag Test TDC M03-TOC-022D

- SABS/ASTM 367-89
- 7228/013/MT01/REVA
- 5544/1 58C/MT01
- 7228/1 58C/MT01
- 7228/112A/MT01
- Pull Test Siniat TDC M02-TDC-023-D

HANDLING AND STORAGE

Care should be taken to ensure that the Siniat ceiling tiles are not dropped or subjected to rough handling. Siniat ceiling tiles should be stored in a dry area. The stacks must be packed on suitable timber supports, maximum 400mm apart and off the ground.

A level, clean, dry storage area must be made available for this purpose. Special care should be taken to ensure that the tile finish is not soiled or damaged during handling. Vinyl tiles can be cleaned with a mild detergent if necessary.

SINIAT VINYL CEILING TILES

Vinyl Tile		Code	Nominal Dimension	Thickness	Type
	Reef	JVT LR JVT LR	1 200mm x 600mm 600mm x 600mm	9mm 6.6kg/m²	Square Edge
	Reef	JVT LR JVT LR	1 200mm x 600mm 600mm x 600mm	12mm 8.78kg/m²	Square Edge
	Fissured	JVT LF JVT LF	1 200mm x 600mm 600mm x 600mm	9mm 6.6kg/m²	Square Edge
	Fissured	JVT LF JVT LF	1 200mm x 600mm 600mm x 600mm	12mm 8.78kg/m²	Square Edge
	Shell White	JVT SWH JVT SWH	1 200mm x 600mm 600mm x 600mm	9mm 6.6kg/m²	Square Edge
	Shell White	JVT SWH JVT SWH JVT SWH	1 200mm x 600mm 600mm x 600mm 1 500mm x 500mm	12mm 8.78kg/m²	Square Edge

* Fissured tiles have directional patterns.
Vapour barriers can be laminated to the back ceiling tiles as an optional extra for humid areas.

Advantages

- Lightweight
- Durable
- Well decorated surface
- Easy to use and quick to install
- 91% light reflection (perforated tiles
- Non combustible, fire retardant core

Applications

- Offices
- Schools
- Conference centres
- Department stores
- Factories
- Hospitals

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Combine speed and grace with high quality pre-manufactured Siniat Bulkheads. These innovative bulkheads combine the best of architectural principles learnt in the past with modern day technology. Rather than building bulkheads on site, you can save time, labour and wastage on the job site, by getting the finished product delivered to site, ready to install.

Our innovative Siniat Prefabricated Bulkheads offer high quality and consistency previously unheard of. These innovative design methods are pre-made to precision, using a unique patented process. This process allows for high quality consistent finishes to be produced irrespective of the quantity desired.

Whether you choose from our range of standard designs or opt for a custom designed solution, you can be sure of a consistently superior finish matched with the strength of solid reinforcement. With the speed of its installation, it will give you a perfect finish for your commercial or residential application every time.

This is the result of an idea that threw an ideal bridge between architectural lessons of the past and the most advanced technology. Marley Building Systems in association with Innovative Profile Systems, is projected into the future with innovative products in the field of profiled concepts.

Choose from a large range of standard designs, or new profiles can also be made to suit your requirements.

Step Type

- Rebate
* - Optional Rebate
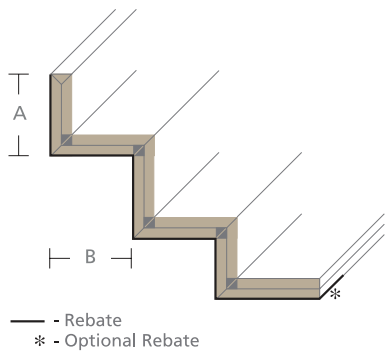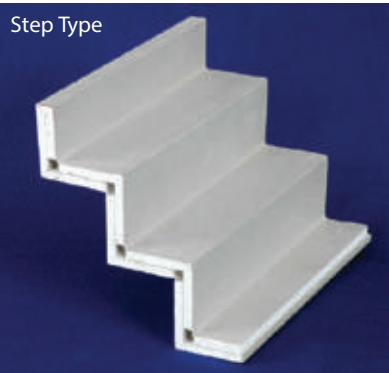
Code	Product	A	B
PBH 3ST	3 Step - 100	100	100
PBH 3ST	3 Step - 80	80	80
PBH 3ST	3 Step - 50	50	50

Available in 2.4 metre lengths

Also available in 2 Steps:
Widths of - 50; 80; 100; 150

L Type Profile

- Rebate
* - Optional Rebate
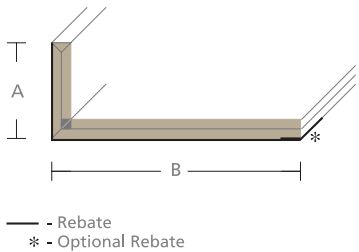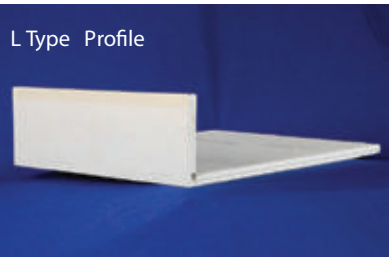
Code	Product	A	B
PBH LT	L Type	V	V

V - Variable
— - Optional Rebate

Available in 2.4 metre lengths
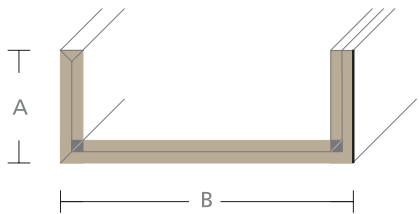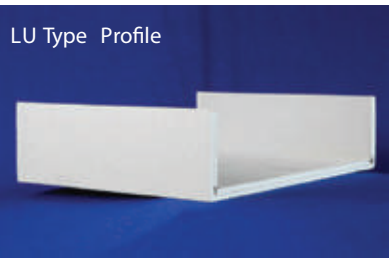
LU Type Profile

Code	Product	A	B
PBH	U Type	V	V

V - Variable
— - Rebate for Joint

Available in 2.4 metre lengths

SPECIFICATIONS

Fair End   Profile

Code	Product	A	B	C
PBH	Fair End	V	V	V

Available in 2.4 metre lengths

V - Variable
✳ - Optional Rebate
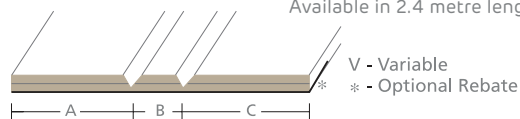
—— - Rebate
✳ - Optional Rebate

Standard Profiles
Supply and install Siniat Prefabricated Bulkhead as per Manufacturers installation guidelines.

Customised Profiles
Supply and install Siniat Prefabricated Bulkhead as per architectural drawing.

Fixing Instruction

Overall Dimension

Ceiling
Ceiling

Galvanised Angle

Gypsum Profile

Overall Dimension

Wall Fixing
Galvanised Angle

Drywall Screw 25mm
Wall

Wall

12.8mm

Edge of Stepped Bulkhead
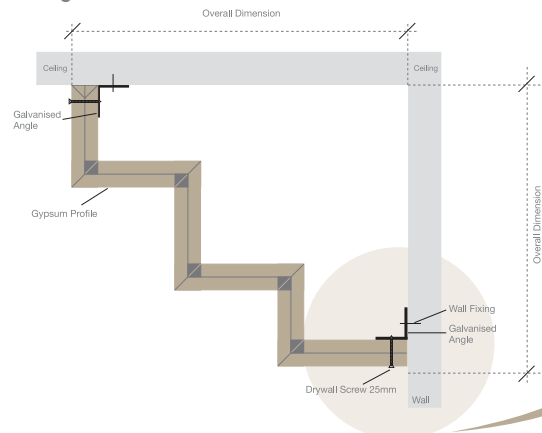
Joints: 1. Butt joint finish with utility adhesive
         2. Taped and jointed
Alternate: Plasterboard trim (recessed detail) can be used at the junction between walls and bulkhead
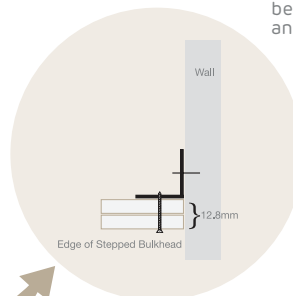
SINIAT ACOUSTIC CEILINGS

An acoustic and decorative solution, Siniat Acoustic Ceiling Board is a square pattern perforated gypsum board designed for systems requiring both superior acoustic and aesthetic qualities. With a protective mat glued to the back of the board, installing the board is as simple as fixing a standard system. With a Noise Reduction Coefficient (NRC) of up to 0.60, this solution helps to create an acoustic ambience.

A major benefit of this solution is the ease of installation, due to the protective glass mat, which is glued to the back of the board, preventing dust emission. The protective mat enables a complete one-step installation, which saves time and results in increased on-site productivity and overall cost effectiveness.

Applications

The high performance system is ideal for meeting both noise reduction and quality design specifications in commercial buildings. With an acoustic absorption of 0.60 NRC and a complete one-step installation, Siniat Acoustic Ceiling Board is a cost-effective solution for achieving sound absorption specifications. Its superior appearance featuring square perforations is an additional benefit for schools, large open area ceilings in hotels, conference and concert halls and offices where the "look" is as important as acoustic performance.

Features

• Excellent sound absorption controlling reflection.
• High quality finish providing an aesthetic appearance.
• Recessed edges cater for a smooth surface with no visible joints.
• Protective mat fixed to the back of the Siniat AcousticCeiling board prevents

Ceiling Installations

Siniat Acoustic Ceiling Boards are installed on Siniat Plaster Grid in the same manner as standard flush plaster ceilings – fixed, jointed and skimmed in the same fashion.

For timber installation the use of 30mm high-low thread, drywall screws are required. Steel frames require 25mm drywall screws.

Place 50/80/100mm mineral wool, placed directly on the back of Siniat Acoustic Ceiling Board.

The joints are finished with Siniat Fibatape and Siniat Jointing Compound, avoiding obstruction of the nearest perforations.

Painting should be carried out with a roller in order to protect the glass mat situated on the back of the Siniat Acoustic Ceiling Board.

Technical and Acoustic Specification

Board Name:	Prégybel C 10 n°8 BA$_{13}$
Board Size:	12.5mm x 1 200mm x 2 400mm
Weight:	10kg/m²
Edge Type:	Tapered Edge

NRC Plenium 100mm Mineral Wool 100mm	0.73
NRC Plenium 300mm Mineral Wool 100mm	0.69
Rate of perforation	13.4%
Shape Perforations Number of zones per sheet	Square 10 x 10mm 8

240 cm

227 cm

120 cm

107 cm

6,5 cm   13 cm   47 cm

6,5 cm

8 perforated areas with 24 perforations of 10 x 10 mm

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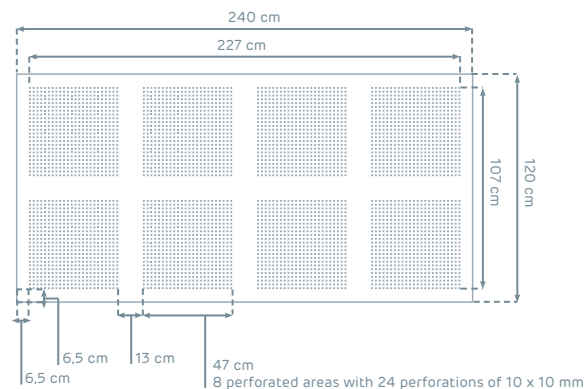
Board Name:	Prégybel L 5x80 n°8 BA$_{13}$
Board Size:	12.5mm x 1 200mm x 2 400mm
Weight:	9kg/m²
Edge Type:	Tapered Edge

NRC Plenium 100mm Mineral Wool 100mm	0.73
NRC Plenium 300mm Mineral Wool 100mm	0.69
Rate of perforation	10.7%
Shape Perforations Number of zones per sheet	Linear 5 x 80mm 8

Perforations

80 mm
5 mm
Échelle 1/1

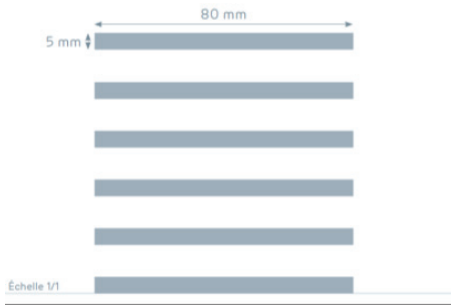| Board Name:	Prégybel A 8-15-20 n°1 BD$_{13}$
Board Size:	12.5mm x 1 200mm x 2 400mm
Weight:	9kg/m²
Edge Type:	Square Edge

NRC Plenium 100mm Mineral Wool 100mm	0.73
NRC Plenium 300mm Mineral Wool 100mm	0.69
Rate of perforation	10.2%
Shape Perforations Number of zones per sheet	Round 3 diameters : 8-15-20 mm 1

Perforations

15 mm
20 mm
8 mm

L= Low Frequency / M = Medium Frequency
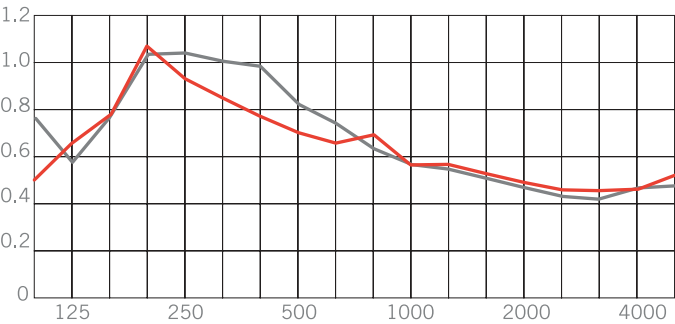
αw=0.60 LM

αw=0.60 L

Frequencies)Hz)	125	250	500	1000	2000	4000
αS (1000mm)	0.68	1.02	0.84	0.58	0.47	0.46
αS (300mm)	0.62	0.96	0.72	0.60	0.49	0.46

Sections not dawn to scale

SINIAT CEILING ACCESS PANELS

Maximising ceiling space accessibility, Siniat's innovative Siniat Ceiling Access Panels offer a cost effective, aesthetically pleasing alternative to the conventional gypsum trap doors, ensuring that your trap doors look neat and clean all the time.

Modern and very functional, Siniat Ceiling Access Panels are available in three different configurations to cater for your specific requirements:

• Top Hinged
• Bottom Hinged
• Lay in

Siniat's quality Ceiling Access Panels guarantee a long lifespan.

The panels are easy to install, thus saving time, and come complete with fully detailed fixing instructions for quick on-site installation. Due to the powder-coated finish, ceiling access panels are easy to clean - making unsightly finger marks, that are prevalent on conventional gypsum trap doors, a thing of the past.

Aesthetically superior to gypsum trap doors, they offer a neat, clean finish to ceilings

T-Frames
"T" Section Centre Line Ceiling modular grids are commonly used for conventional trapdoor frames in plastered ceilings. They can also be used for light fittings.

These grids are available ex-stock in the following sizes and finishes:
600 x 600	Natural Anodised
600 x 600	White
1 200 x 600	Natural Anodised
1 200 x 600	White

Top Hinged   Bottom Hinged   Lay In

Product Information
• It is manufactured with a strong aluminium extrusion frame with a unique feature of an alarm sensor.
• The Siniat Access Hatch is for all Flush Plastered Ceilings and Dry Walling/Partitioning.
• Target Market:
  * Distributors.
  * Contractors.

Configurations
Modern and very functional, Siniat Ceiling Access Panels are available in three different configurations to cater for your specific needs.

Specifications
Allow extra over ceiling for Siniat Ceiling Access Panel comprising 635 x 635 mm white epoxy coated aluminium T-frame with 580 x 580 mm white epoxy coated steel pan in a Top hinged/Bottom hinged/Lay-in option as supplied by Siniat fitted flush to ceiling with and including screw fixing through stalk of T-frame into 38 x 38 mm softwood/steel brandering/supporting subframe.

T-FRAME

1195mm X 585mm / 585mm X 585mm
1200mm X 600mm / 600mm X 600mm
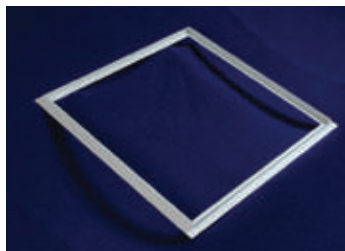
BOTTOM HINGE

TOP HINGE

BOTTOM HINGE CATCH

TOP HINGE DETAIL

QUICK REFERENCE GUIDE

CEILING ACCESS HATCH

Application Areas
- Access to Piping Services.
- Access to Fire Walling.
- Access to Ventilation Services.
- Access to Water Services.

Benefits
- Full range of Access Hatches for internal and external uses.
- Single/double clip for safety. The Hatch does not drop down immediately when installed as a ceiling access.
- High security, as it is impossible to lift the Siniat Access Hatch from the roof.
- Locally manufactured.
- Interchangeable to suit customer needs.

Features
- Seamless edge.
- Alarm sensor – for added security and safety.
- The Hatch has a drop-down mechanism which is easy to release with a safety catch.
- Variance in different sizes.

APPLICATION DETAILS
HOW TO INSTALL FOR CONTRACTORS
1. Plan and decide on where to position the Siniat Access Hatch.
2. Install the Siniat Master GridTM Ceiling Grid as per the Siniat specification. Position the cross tees to form an opening the size of the Siniat Access Hatch.
3. Lay the Siniat Access Hatch onto the grid in demarcated position and fix to the grid using 3 Siniat Wafertex screws per each side of the Siniat Access Hatch, equally spaced.
4. Finish to match the ceiling.

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 and thus from freely falling.
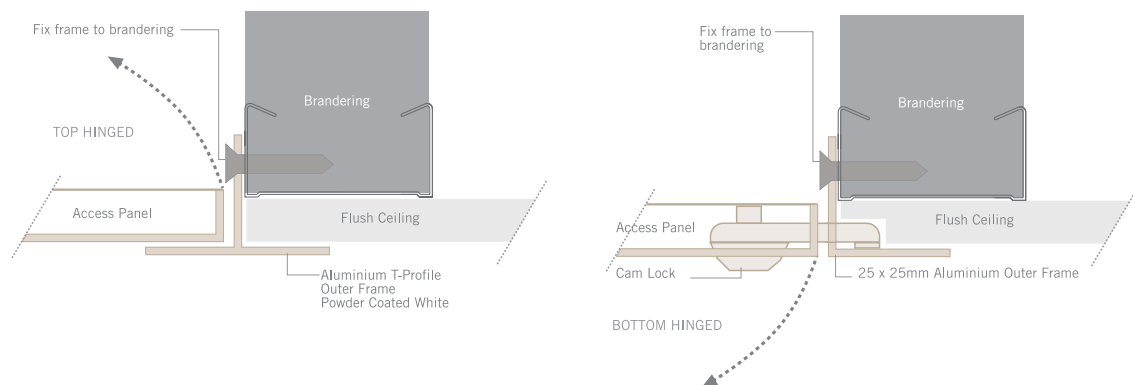
CEILING ACCESS HATCH

WALL ACCESS HATCH

Fix frame to brandering

TOP HINGED

Brandering

Access Panel

Flush Ceiling

Aluminium T-Profile
Outer Frame
Powder Coated White

Fix frame to
brandering

Brandering

Access Panel

Flush Ceiling

Cam Lock

25 x 25mm Aluminium Outer Frame

BOTTOM HINGED

TYPICAL JOINT DETAIL FOR 6,4MM PLASTERBOARD

Siniat Steel Brandering

25mm Drywall screws spaced
at 150mm centres

Siniat Jumbo®
Plasterboard (6,4mm)

H-Profile Jointing Strip
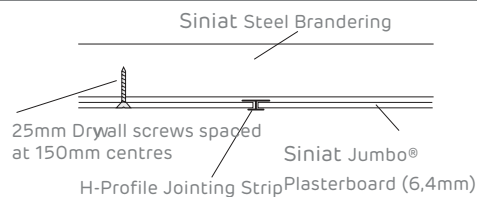
TYPICAL JOINT DETAIL FOR 9MM T/E PLASTERBOARD

25mm Drywall screws spaced
at maximum150mm centres

Siniat Steel Brandering

Siniat Plaster

Jointing Tape

9mm T/E Siniat
Plasterboard
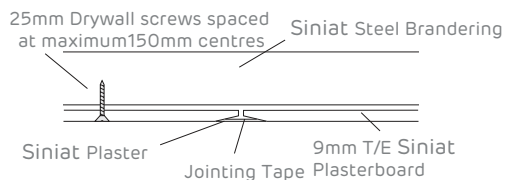
FLUSH PLASTER STEEL T-SUSPENSION CEILINGS

Galvanised 25 x 25mm Angle

Siniat Screw up Cross Tee

Pop Rivets

TOP HINGED

Access Panel

Flush Ceiling

Aluminium T-Profile Outer Frame
Powder Coated White

Galvanised 25 x 25mm Angle

Siniat Screw up Cross Tee

Pop Rivets

Access Panel

Flush Ceiling

Cam Lock

25 x 25mm Aluminium Outer Frame
Powder Coated White

BOTTOM HINGED
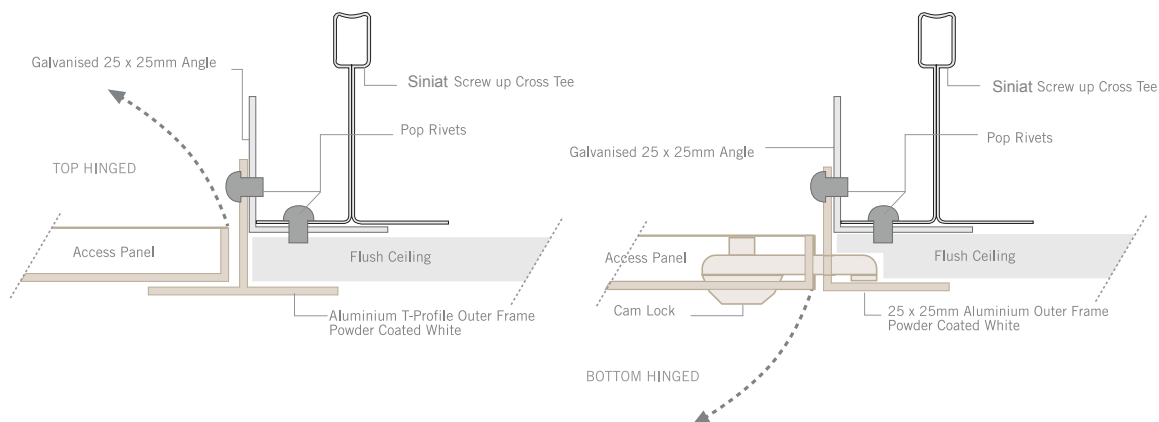
SINIAT XPS DECOR CORNICES

The Siniat XPS Decor Cornices add a luxury feel to any room. Decor Cornices are an excellent tool to help hide small defects at corners and join materials of different thickness while adding architectural interest. The light-weight, non-toxic decor cornices are simple to install, leaving a modern professional finish to a building or renovation project. There are currently 9 individual decor cornices to choose from, whether you require a simple functional decor cornices, or a designer profile, an ordinary room will be turned into a beautifully finished space with Siniat Decor Cornices.

Durable
Made of high density extruded polystyrene, these cornices are extremely durable and will not chip if dropped. Cuts and dents can be filled with utility adhesive, reducing waste significantly.

Resistant To Humidity
The Siniat range of decor cornices are resistant to water and humidity, making them an excellent choice for bathrooms and humid areas.

Heat Resistant
The Siniat XPS Decor Cornices do not expand when exposed to heat.

Installation
Installing decor cornices has never been easier with the lightweight range, which is prefabricated in the factory and arrives ready to install. The Siniat Cornice Adhesive must be used to install Siniat XPS Decor Cornices. Water based acrylic PVA Paint should be used for final coating.

Cost Effective
These polystyrene decor cornices are cost-effective, more durable and labour saving when compared to other products.

Features And Benefits:
• Flexible - no cracking.
• Neat - crisp lines and uniform thickness ensure a superior finish.
• Waterproof - the closed cell polystyrene does not crumble or mould.
• Easy to install - it is quick to install; no nails required; just apply the adhesive.
• Clean - can be installed after painting or carpeting.
• Innovative - can be installed directly over existing cove cornices.
• Hard - will not break or crack during handling.
• Efficient - wastage is limited.
• 100% CFC free and solvent-free.
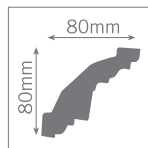
Roman

80mm
80mm

Grecian

80mm
80mm

Classic

80mm
80mm

Athena

95mm
100mm

Sicilia

100mm
100mm

Doric

80mm
85 mm

Classic110

110mm
110mm

Milano

95mm
105mm

Classic50

50mm
50mm
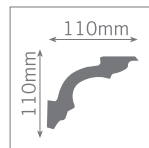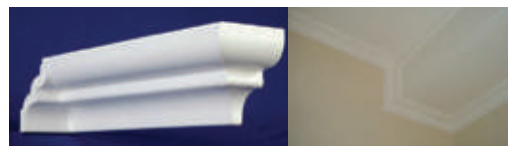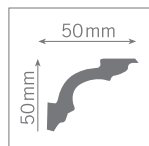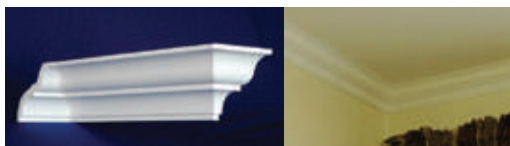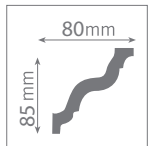
SINIAT CORNICE ADHESIVE

Application:
- Substrates must be clean, free of dust and grease
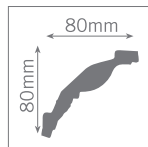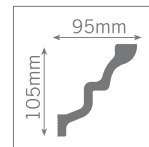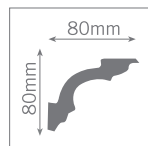- Apply a liberal bead of adhesive along top and bottom of cornice
- Press firmly to hold in position
- Wipe away excess adhesive with a damp sponge or cloth
- Keep away from frost

For Fixing Polystyrene And Polyurethane:
- Excellent adhesive and fi lling properties
- Can be sanded
- Good initial grab
- Suitable for painting
- No film formation

Characteristics:
- Acrylic polymer
- High initial tack and final bond strength
- Hard glue line with good sanding properties
- Excellent adhesion to paper and walls
- Flow properties designed as a paste to be applied with a scrapper

Specifications:
- Glue Spread: 50g/metre for small to medium mouldings on new or straight walls 100g/metre for large mouldings on new or straight walls; 100g/metre for small to medium mouldings on damaged or uneven walls; 200g/ metre for large mouldings on damaged or uneven walls
- Siniat Cornice Adhesive available in 3kg, 7kg and 310ml tube

Cleaning of Equipment:
- Clean equipment with water before adhesive dries
- Dried adhesive can be manually brushed or scraped using hot water

Dilution of Glue:
- Dilution not recommended

Storage:
- Store between 15° to 30° under dry conditions
- Unused containers should be tightly sealed

Shelf Life:
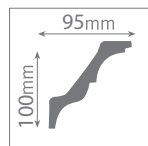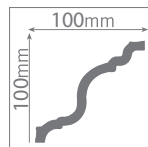- Approximately 12 months when stored correctly

STEP BY STEP INSTALLATION GUIDE

Step 1: Measure.

Step 1: Draw the line.

Step 2: Cut the cornice.

Step 2: Apply enough adhesive and stick the cornice on the ceiling.

Step 3: Always install from the corners. This is an inner corner.

Step 4: This is an outer corner.

Step 4: This is an outer corner.

Step 5: Wipe the adhesive off using a clean cloth and clean water.

Step 5: Wipe off excess adhesive

Step 6: Gently push in the cornice against the wall and the ceiling.

Step 7: After 48 hours refill the adhesive in all the corners and all the joints.

Step 8: Paint the cornice.

THE FINISHING TOUCH FOR ALL CEILINGS

Siniat Cove Cornice provides a recognised, tried, tested and accepted solution to add internal finishing requirement detail.

Features:
- Siniat Cove Cornice is formulated to give exceptionally high strength, making the product easy to handle and install and reduces breakages.
- Lightweight material - mass per running metre allows large loads, lower transport costs, easier handling and easy installation.
- Absolute symmetry ensures a better finish and easy installation.
- Siniat Cove Cornice offers an aesthetically pleasing finish.
- Fire resistant gypsum-based plaster, which is therefore non-combustible.
- Available in various lengths to accommodate any size job.
- Supplied in bundles of five wrapped in a protective plastic sleeve.

Fixing Guidelines:

Nail Siniat Cove Cornice with galvanised nails at 400mm centres to wall and ceiling surfaces. Drive the nail head fitting to just below the paper covering surface.

Product available in:

75mm and in lengths of 2 700mm, 3 000mm, 3 600mm and 4200mm

SINIAT CORNICE DECORATION

PAINTING

- Gypsum and Polystyrene cornices can be painted directly with any acrylic water based paint.
- A PVA paint or sealer would be required before applying any enamel or solvent based paint.
- Polystyrene cornices should not be left unpainted as the mouldings will turn yellow.
- Applying PVA base coats to Polystyrene mouldings before installation is advisable.
- Ensure that touch-ups are sanded level to the moulding profile.
- Paint techniques can be applied to mouldings by specialists.
- On Gypsum Cornice apply a base coat of PVA after installation, then the final coat of PVA paint.

FREQUENTLY ASKED QUESTIONS

How long will Siniat XPS Decor Cornices last?
Indefinitely under normal conditions. Even in humid conditions, the Siniat XPS Decor Cornices cannot be damaged by water (i.e. bathrooms).

How strong is the product?
Polystyrene mouldings are very strong and durable. Gypsum Cornice is easy to cut, durable and suitable for decoration.

Is the product environmentally-friendly?
Yes. Siniat Decorative products are both solvent free and CFC free. They can safely be used in infants' and children's rooms.

How does the shape of the room affect installation?
Due to the angled shape of the cornices, they can be bent into a shallow concave curve. Convex curves are more difficult, but the cornices can be cut into smaller lengths and installed with adhesive. When walls are not straight, do not try to bend the cornice to the shape of the wall; rather use an adhesive as a filler, keeping the cornice straight. The dado rails have a flat profile and are more flexible and can be used in most shaped rooms. This applies to Gypsum and Styrene cornice.

Is there a lot of wastage?
No more than 5% of the total product required should be allowed for wastage. Cuts or bad dents can be easily filled with adhesive on Styrene cornice and Siniat Jointing Compound on Gypsum Cornice.

What adhesive should be used?
We recommend Siniat Cornice Adhesive as supplied by Marley Building Systems (Pty) Ltd, which is both an adhesive and filler. The adhesive/filler has a 6mm bridging capacity. The drying time on the adhesive/filler is approximately 10 minutes to correct or remove before setting. The adhesive/filler will set completely within 1 hour. The adhesive/filler is water-based and can be cleaned before it dries. The adhesive/filler is water-based and can be cleaned before it dries.

Gypsum Adhesive
When using the utility adhesive with Gypsum Cornice, it is recommended that "tacks" be used to hold in position. When adhesive is dry, remove tacks and patch.

What quantity of adhesive would be required?
50g per metre for small to medium mouldings on new or straight walls.
100g per metre for large mouldings on new or straight walls.
100g per metre for small to medium mouldings on damaged or uneven walls.
200g per metre for large mouldings on damaged or uneven walls.
(The above-mentioned quantities are to be used as a guideline only.)

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 Premium Jointing Plaster into clean water
3. Allow Siniat Premium Jointing Plaster 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 Compund 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 after mixing
- 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 Compund – Pre-filling should be done to the joints that are wider 3mm

an etex company

Siniat Finishing Compound
Description
The Siniat Finishing Compoung 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 m²
Packaging Colour:	Purple
Use:	Internal only

Mixing Instructions
1. Use clean water in a clean container
2. Slowly pour Siniat Finishing Compound into cold clean water
3. If using a deep mixing container saturate the water with Siniat Finishing Compound
4. Allow Siniat Finishing Compound to stand/soak for 2 minutes before mixing
5. Mix to obtain homogenous mix with no lumps and a smooth paste
6. Do not over-stir
7. Do not mix with your hands
8. Clean tools and mixing container after each mix
9. 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 1m² 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

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 Skimstone
Specifications
Water/Plaster Mixing Ratio of 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 Skimstone/Siniat Skimlite Plaster into clean water and saturate the water
3. Allow Siniat Skimstone/Siniat Skimlite 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 Skimstone/Siniat Skimlite plaster than you can use in 90 minutes

Siniat Skimlite
Specifications:
Water/Plaster Mixing Ratio of 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 and 10kg
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 Skimstone/Siniat Skimlite 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 Skimstone/Siniat Skimlite
- -   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 SA (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
Siniat Jointing Compound	√	√									√	√	√
Finishing Plaster		√	√	√	√	√	√	√	√	√	√	√	√
Skim Stone		√	√	√	√	√	√	√	√	√	√		√
Skim Lite		√	√	√	√	√	√	√	√	√	√		√

ALL SINIAT COMPOUNDS ARE ECOSPECIFIER LISTED.

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