Gypsemna is one of the fastest growing companies in the production and distribution of drywall systems and solutions in the region. Established in 2006, Gypsemna developed the first international scale gypsum board plant in the UAE’s capital city, Abu Dhabi. Today, Gypsemna has the largest gypsum board manufacturing plant in the region with an annual production capacity of 50 million m² and exports to more than fifteen countries. Gypsemna also have a partnership with Rondo Building Services for the manufacture of metal profiles within the same plant.

Gypsemna’s focus is to produce world class gypsum board and accessories to suit a multitude of applications. The vast production capacity has enabled Gypsemna to provide solutions in diverse market sectors; including residential and commercial projects, healthcare, airports and educational facilities. Customer focus is always at the heart of the business and complete solutions are tailor made to best suit customers’ needs within the global market.

Technological innovation is central to the success of the business, together with the high importance given to ethical and sustainable responsibility.

OUR VISION
Our vision is to become the preferred supplier of innovative drywall solutions within the Middle East.

OUR MISSION
Our mission is to lead the market trend through smart, sustainable and certified drywall solutions to fulfill the customer’s needs.

QUALITY MILESTONES

- **December 2009**

- **October 2010**
  - UAE Civil Defense Approval (DCD Approval): First to be certified for Operational & Safety Certificate for Fire Rated Drywall Systems

- **July 2012**
  - Qatar Civil Defense Approval (QCD Approval): Operational & Safety Certificate for Fire Rated Drywall Systems

- **April 2013**
  - UL Certification
Gypsemna is one of the fastest growing companies in the production and distribution of drywall systems and solutions in the region. Established in 2006, Gypsemna developed the first international scale gypsum board plant in the UAE’s capital city, Abu Dhabi. Today, Gypsemna has the largest gypsum board manufacturing plant in the region with an annual production capacity of 50 million m² and exports to more than fifteen countries. Gypsemna also have a partnership with Rondo Building Services for the manufacture of metal profiles within the same plant.

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**MAP OF OUR SUCCESS**

- **Total Factory Area**: 302,000 m²
- **Warehouse Area**: 6,000 m²
- **Production Capacity**: 50 million m²/ Annum or 600 m²/hr
- **Warehouse Capacity**: 2 million m² of gypsum boards
- **Major Equipment Supplier**: GRENZENBACH BSH GmbH, Germany
- **Roll Forming Equipment Supplier**: Rondo Building Services PTY LTD
- **Roll Forming Capacity**: 4,000 Tons / Annum

**“One of the Largest Factories in the Region”**

December 2009
- UAE Civil Defense Approval (DCD Approval): First to be certified for Operational & Safety Certificate for Fire Rated Drywall Systems
- Qatar Civil Defense Approval (QCD Approval): Operational & Safety Certificate for Fire Rated Drywall Systems
- April 2013 UL Certification

**QUALITY MILESTONES**

- Certification
- Design, Manufacture & Supply Certificate
- Operational & Safety Certificate for Fire Rated Drywall Systems
- UL Certification
Gypsemna provides a full range of services to support Developers, Consultants/Architects, Main Contractors and Sub-Contractors.

Sales Support

Our Sales Team are qualified to process your orders and to provide comprehensive data on product availability, stockists and delivery schedules.

Technical Support

Our Technical Team provide a wide range of services during the design and construction phases of any project. These include:

- Bespoke solutions for specialist areas
- System designs to meet your construction needs
- Project and installation specifications
- Product and system certification when required
- Site visits and advice

Training

We design training courses to cater for individuals who are new to the Construction Industry, through to specialised courses for those experienced individuals or groups who require more technical content.

“System Solution Providers for all Market Sectors”

Our vast production capacity ensures that we serve the following market sectors:

- Educational Centres
- Commercial Buildings
- Hospitals
- Luxury Hotels
- Residential
- Luxury Villa Projects
- Airport & Terminals
- Cinemas
- Shopping Centres
Our aim is that the manufacture and use of our products do not significantly impact on the environment. Our products and systems provide comfortable, healthy and secure living and working spaces for the occupiers and end users.

In order to provide sustainable construction solutions, we aim to:

- Investigate methods of continuous environmental improvement.
- Produce bespoke lengths of product to minimise wastage produced onsite.
- Provide flexible tailor made solutions to the end user.
- Recycle gypsum board waste during the construction phase.
- Comply with relevant environmental laws

We maintain a long-standing commitment to our employees, customers and communities to reduce our impact on the environment.

We are committed to providing solutions to the Construction Industry, which exceed our customer’s expectations. We ensure that ‘Quality’ is the focus of all our activities.

Quality Policy

We aim to manufacture and supply gypsum boards and metal profiles to the Construction Industry that exceed the customer’s expectations for high quality, features and associated benefits, safety, Customer Service and added value.

We are committed to providing the above by utilising;

- The latest technology and manufacturing.
- Advanced knowledge of our products and systems.
- Compliance with the relevant International Standards, specifications and business practices.

Our goal is to become the market leader and to introduce the best value-added products and services to the Construction Industry.
**DRY WALL PRODUCTS**

- **gypsum boards**
  - Regular (RG) 07
  - Moisture Resistant (MR) 07
  - Fire Wall (FW) 07
  - Moisture Resistant & Fire Wall (MRFW) 07
  - Moisture Resistant & Fire Wall Core Board (MRFW_CB) 08
  - Tuff (TF) 08
  - Glass Mat (GM) 08
  - Mold & Moisture Resistant (MMR) 08
  - Tuff Mold & Moisture Resistant (TMMR) 09
  - Gypsum Ceiling Tiles 09
  - Perforated Boards & Tiles 09

- **accessories**
  - Metal Profiles 11
  - Fixing Components 17
  - Insulation 25
  - Jointing Tape 26
  - Jointing Filler 27
  - Sealant 27
  - Finishing Components 28

- **access panels**
  - Access Panel Type 32

**DRY WALL SYSTEMS**

- **partition system**
  - System Components: Gypsum Plasterboards, Finishing Components, Fixing Components, Insulation, Jointing Filler, Jointing Tape, Metal Profiles, Sealant. 34

- **ceiling system**
  - System Components: Gypsum Plasterboards, Finishing Components, Fixing Components, Insulation, Jointing Filler, Jointing Tape, Metal Profiles, Sealant. 43

- **shaft wall system**
  - System Components: Gypsum Plasterboards, Finishing Components, Fixing Components, Insulation, Jointing Filler, Jointing Tape, Metal Profiles, Sealant. 48

- **liner system**
  - System Components: Gypsum Plasterboards, Finishing Components, Fixing Components, Insulation, Jointing Filler, Jointing Tape, Metal Profiles, Sealant. 51

- **cinema system**
  - System Components: Gypsum Plasterboards, Finishing Components, Fixing Components, Insulation, Jointing Filler, Jointing Tape, Metal Profiles, Sealant. 55
gypsum boards

Technical Properties

- Sound Resistant
- Fire Resistant
- Mold Resistant
- Moisture Resistant
- Impact Resistant
- Water Resistant

Applicable Standards

- ASTM Standards
- EN / BS Standards

Certifications

- Regular (RG)
- Moisture Resistant (MR)
- Firewall (FW)
- Moisture Resistant and Firewall (MRFW)
- Moisture Resistant and Firewall Core Board (MRFW_CB)
- Tuff (TF)
- Glass Mat (GM)
- Mold & Moisture Resistant (MMR)
- Tuff Mold & Moisture Resistant (TMMR)
- Perforated Boards & Tiles
Gypsemna’s Regular Gypsum board is made up of a non-combustible and mechanically stable aerated gypsum core, which is encased in heavy duty Kraft paper liner on either side. It can be fixed to timber, metal framing and masonry works for ceilings, partitions and wall linings, providing a high quality and economical finish to interior projects.

### Moisture Resistant (MR)

Gypsemna’s Moisture Resistant Gypsum boards have the inherent properties of regular boards as well as accrued moisture resistance. The property is due to the specific additives such as water repellent agents in the non-combustible, mechanically stable aerated gypsum core. This core is encased in heavy duty Kraft paper liner on either side of the board. These boards inhibit moisture absorption in the gypsum core when used for lining interior walls and ceilings, which may be exposed to a high degree of moisture.

### Fire Wall (FW)

Gypsemna’s Fire Wall Gypsum boards consist of gypsum core mixed with glass fiber chopped strands and fire resistant expansion additives, firmly bonded to heavy duty Kraft paper liner on either side, increasing its strength and providing fire resistance property. The addition of glass fibre and fire resistant additives in the gypsum core improves the cohesive properties and significantly enhances the fire integrity performance when compared to that of the Regular gypsum boards.

### Moisture Resistant & Fire Wall (MRFW)

Gypsemna’s Moisture Resistant & Fire Wall Gypsum boards have the inherent properties of Firewall boards and accrued Moisture Resistant boards. This property is due to specific additives such as water repellents agents in the non-combustible, mechanically stable, and fire retarding gypsum core. This thus provides two combined advantages in a single board. The core of the board is encased in heavy duty Kraft paper liner on either side.
Moisture Resistant & Fire Wall Core Board (MRFW-CB)

Gypsemna’s Moisture Resistant & Firewall - Core Board Gypsum boards have the inherent properties of Fire-wall boards and accrued Moisture Resistant boards. This property is due to specific additives such as water repellents agents in the non-combustible, mechanically stable, and fire retarding gypsum core. This thus provides two combined advantages in a single board. The core of the board is encased in heavy duty Kraft paper liner on either side.

Technical Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Edge Profile</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>SE</td>
<td>600</td>
<td>1800 - 3600</td>
</tr>
</tbody>
</table>

Typical Values

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Weight (Kg/m²)</th>
<th>R-Value (m² K/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>20.30</td>
<td>0.10</td>
</tr>
</tbody>
</table>

Board Color - Face Color: Green | Reverse Color: Pink
Product Standards: ASTM C 1396/ C1396M Type X ; EN 520 Type I, F & H1

Tuff (TF)

Gypsemna’s Tuff Gypsum boards are made up of non-combustible, mechanically stable and fire retarding high density gypsum core, encased in very heavy duty Kraft paper liner on either side. This special purpose gypsum board is designed for use in walls or partitions that require superior impact strength, breaking strength, fire resistance and sound insulation properties, when compared to all other types of gypsum boards.

Technical Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Edge Profile</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12,15,16</td>
<td>TE, SE</td>
<td>900, 1200 - 220</td>
<td>1800 - 3600</td>
</tr>
</tbody>
</table>

Typical Values

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Weight (Kg/m²)</th>
<th>R-Value (m² K/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.50</td>
<td>11.10</td>
<td>0.05</td>
</tr>
<tr>
<td>15</td>
<td>13.30</td>
<td>0.06</td>
</tr>
</tbody>
</table>

Board Color - Face Color: Yellow | Reverse Color: Yellow
Product Standards: ASTM C 1396/ C1396M Type X ; EN 520 Type D, F, I & R

Glass Mat (GM)

Gypsemna’s Glass Mat Gypsum boards are a specially developed product for external applications. These boards are moisture resistant, water resistant and fire resistant due to the special additives in the gypsum core, that is sandwiched between the glass mat liner on both sides.

Technical Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Edge Profile</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13,16</td>
<td>SE</td>
<td>1200-1219</td>
<td>1800-3600</td>
</tr>
</tbody>
</table>

Typical Values

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Weight (Kg/m²)</th>
<th>R-Value (m² K/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>10.70</td>
<td>0.07</td>
</tr>
<tr>
<td>16</td>
<td>13.10</td>
<td>0.09</td>
</tr>
</tbody>
</table>

Board Color - Face Color: Blue | Reverse Color: Grey
Product Standards: ASTM C 1177/ C1177M Type X ; EN 15283 Part 1

Mold & Moisture Resistant (MMR)

Gypsemna’s Mold and Moisture Resistant Gypsum boards has the inherent properties of moisture resistant plaster board and has accrued mold and mildew resistance. This specific property is due to the specific biocide added to core of the board, along with other moisture resistant additives and glass fibres are added to provide additional strength. The non combustible gypsum core with these special properties is encased in very heavy duty Kraft paper liner on either side. This board inhibits moisture absorption in the gypsum core and prevents any growth of mold in it, when used in internal areas and exposed to high degree of moisture.

Technical Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Edge Profile</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13,16</td>
<td>TE, SE</td>
<td>1200-1219</td>
<td>2400</td>
</tr>
</tbody>
</table>

Typical Values

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Weight (Kg/m²)</th>
<th>R-Value (m² K/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>11.20</td>
<td>0.06</td>
</tr>
<tr>
<td>16</td>
<td>13.40</td>
<td>0.08</td>
</tr>
</tbody>
</table>

Board Color - Face Color: Green | Reverse Color: Green
Product Standards: ASTM C 1396/ C 1396M; EN 520 Type A, H1 (BS 1230 Part 1 - Type 3)

8
Tuff Mold & Moisture Resistant (TMMR)

Gypsemna’s Tuff Mold and Moisture Resistant Gypsum boards are made up of non-combustible, mechanically stable and fire retarding high density, moisture resistant, mold and mildew resistant gypsum core, encased in very heavy duty Kraft paper liner on either side. This special purpose gypsum board is designed for use in walls or partitions that require superior impact strength, breaking strength, mold and moisture resistance, fire resistance and sound insulation properties, when compared to all other types of gypsum plasterboards. This is used for internal applications.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Edge Profile</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Thickness (mm)</th>
<th>Weight (Kg/m²)</th>
<th>R-Value (m² K/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.5, 15, 16</td>
<td>TE, SE</td>
<td>1200-1219</td>
<td>2400</td>
<td>12.5</td>
<td>11.20</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15.0</td>
<td>13.40</td>
<td>0.06</td>
</tr>
</tbody>
</table>

Board Color - Face Color: Yellow | Reverse Color: Yellow
Product Standards: ASTM C 1396/ C1396M Type X; EN 520 Type H1, D, F, I, & R (BS 1230 Part 1 - Type 3,5)

Gypsum Ceiling Tile

The Gypsemna Gypsum Ceiling Tile is laminated with PVC on the surface and a silver electro plating backing on the reverse side. Its gypsum core offers non-combustibility and mechanical stability to the tile. The PVC laminated lay in tile is the ideal product to be used in conjunction with Tee grid ceiling systems, where quick and easy access to any part of the false ceiling is required. The advantages are; easy to clean, attractive and aesthetic finish, light weight and easy to install. Suitable for all applications such as commercial and residential buildings, hospitals and health care centres, shopping centres/ malls and recreation centres.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Edge Profile</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.0, 9.0, 12.0</td>
<td>SE</td>
<td>595</td>
<td>595</td>
</tr>
</tbody>
</table>

Board Color - Face Color: White (Frost) | Reverse Color: Silver
Product Standards: ASTM C 1396/ C1396M ; EN 520 Type A

Perforated Boards & Tiles

The Gypsemna ANTECHO perforated gypsum board is a perforated Regular gypsum board to offer excellent sound absorbing properties along with the tissue/fleece which is laminated to the entire back side of the board. It’s gypsum core offers non-combustibility and mechanical stability that makes it suitable for screw-fastening to drywall structures in steel as well as in wooden sections. The gypsum core is encased in a heavy natural-finish strong liner paper on the face and on the back side.

<table>
<thead>
<tr>
<th>Type</th>
<th>Thickness (mm)</th>
<th>Edge Profile</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Weight (kg/m²)</th>
<th>Perforation Shape</th>
<th>Perforation / Pitch (mm)</th>
<th>Size</th>
<th>% Opening</th>
<th>No. Of Segment / Full Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Board</td>
<td>9.5</td>
<td>TE, SE</td>
<td>1200, 1219</td>
<td>2400, 2438</td>
<td>7.0</td>
<td>Square</td>
<td>9 x 9 / 19</td>
<td>20%</td>
<td>One</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12.5</td>
<td>SE</td>
<td>1200, 1219</td>
<td>2400, 2438</td>
<td>9.0</td>
<td>Micro Square</td>
<td>3 x 3 / 8</td>
<td>6%</td>
<td>One</td>
<td></td>
</tr>
<tr>
<td>Tiles</td>
<td>9.5</td>
<td>SE</td>
<td>595</td>
<td>595</td>
<td>7.0</td>
<td>Round</td>
<td>6 / 18</td>
<td>9%</td>
<td>One</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12.5</td>
<td>SE</td>
<td>595</td>
<td>595</td>
<td>9.0</td>
<td>Slotted / Oval</td>
<td>14 x 4 / 6</td>
<td>35%</td>
<td>One</td>
<td></td>
</tr>
</tbody>
</table>

Product Standards: ASTM C 1396/ C1396M; EN 520 Type A
accessories

Metal Material
Hot Dipped Galvanized Steel
Galvanization Z180 / Z 275 / AZ 150

Strategic Partners

Applicable Standards
ASTM Standards
EN / BS Standards

Metal Profiles
- Deflection Head Track
- U Track
- C Stud
- Quiet Stud
- Noggin Track
- Fixing Channel
- Resilient Furring Channel
- Flexible Track
- Expanded Metal Mesh
- L Angle
- J Runner - DHT
- J Runner Wall Track
- CH Stud
- E Stud
- Base Angle
- ZZ Purlins
- Top Cross Rail
- Furring Channel
- Furring Channel Track
- Main Channel
- Conventional Furring Channel
- Wall Angle

Fixing Components
- KDM/L Anchors
- KDM/N Anchors
- KSD Plugs
- Wafer Head Screws
- Hex Head Screws
- Self Tapping Screws
- Self Drilling Screws
- Laminating Screws
- Slotted Web Cleat
- L Bracket
- Staggered Wall Clip
- Column Encasement Clip
- Adjustable Direct Fixing Clip - Beta Fix
- Direct Fixing Clip with Anchor
- Direct Fixing Clip for Furring Channel
- Furring Channel Anchor Clip
- Sound Isolation Clip STWC
- Sound Isolation Clip with Anchor STSL
- Sound Isolation Clip STSU
- Suspension Rod Angle Bracket
- Furring Channel Joiner
- Suspension Rod
- Adjustable Suspension Hanger Clip
- Locking Key Joiner
- KMU/L Anchors
- Threaded Rod
- Phoenic Hanger
- G Clamp
- Head Bracket
- Acoustic V-brace
- Backing Rod

Insulation
- Extruded Polystyrene Foam
- Glass Wool
- Rock Wool

Jointing Tape
- C Stud
- Fibre Jointing Tape
- Metal Tape
- Paper Tape

Joint Filler
- Gypsum Magnum R100

Sealant
- Selleys ProSeries Fireblock Sealant

Finishing Components
- Corner Bead (External)
- Corner Bead (Internal)
- Shadowline Stopping Angle
- Casing Bead
- Flexible Control Joint
- Stopping Angle
- Stopping Bead
- Arch Bead
Deflection Head Track

The Deflection Head Track allows a vertical movement from the ceiling/roof. This vertical deflection prevents loads from being transferred to the studs.

**System Application**
- Partition System
- Cinema System
- Liner System

**Specification**
- Coating: AZ150 & Z275 Zinc - Aluminium Alloy
- Steel Grade: G300

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Flange (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.80</td>
<td>51,64,70,76,92,100,125,150</td>
<td>3000</td>
<td>50</td>
<td>10</td>
</tr>
<tr>
<td>0.90</td>
<td>51,64,70,76,92,100,125,150</td>
<td>3000</td>
<td>50</td>
<td>10</td>
</tr>
</tbody>
</table>

U Track

Track sections provide a friction for the studs, which not only holds the studs in position until the lining board is fitted, but also helps in aligning the boards.

**System Application**
- Partition System
- Liner System
- Cinema System

**Specification**
- Coating: AZ150 & Z275 Zinc - Aluminium Alloy
- Steel Grade: G300

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Flange (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.55</td>
<td>51,64,70</td>
<td>3000</td>
<td>32</td>
<td>10</td>
</tr>
<tr>
<td>0.60</td>
<td>51,64,70,76,92,100</td>
<td>3000</td>
<td>32</td>
<td>10</td>
</tr>
<tr>
<td>0.80</td>
<td>51,64,70,76,92,100,125,150</td>
<td>3000</td>
<td>32</td>
<td>10</td>
</tr>
<tr>
<td>0.90</td>
<td>51,64,70,76,92,100,125,150</td>
<td>3000</td>
<td>32</td>
<td>10</td>
</tr>
</tbody>
</table>

C Stud

The C Studs are the vertical framings used for Partition and Liner Systems with a friction fit between bottom and top tracks. They are very easy to install and can be tailored in accordance to a project’s requirements. They are specially designed to accept for one layer and multi layer Gypsum Plasterboards.

**System Application**
- Partition System
- Liner System

**Specification**
- Coating: AZ150 & Z275 Zinc - Aluminium Alloy
- Steel Grade: G300

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Flange (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.55</td>
<td>51,64,70</td>
<td>3000</td>
<td>33.5/35.5</td>
<td>10</td>
</tr>
<tr>
<td>0.60</td>
<td>51,64,70,76,92,100</td>
<td>3000</td>
<td>33.5/35.5</td>
<td>10</td>
</tr>
<tr>
<td>0.80</td>
<td>51,64,70,76,92,100,125,150</td>
<td>3000</td>
<td>33.5/35.5</td>
<td>10</td>
</tr>
<tr>
<td>0.90</td>
<td>51,64,70,76,92,100,125,150</td>
<td>3000</td>
<td>33.5/35.5</td>
<td>10</td>
</tr>
</tbody>
</table>

Note: * Available in other thicknesses 1.0, 1.5, 2.0  
** Available in customized lengths
The unique design of the Quiet Stud (together with Gypsemna’s lining board), forms an effective buffer against unwanted noise to provide a simple and cost-effective acoustic solution for inter-tenancy walls in any environment that requires a practical and dependable acoustic solution between dividing walls.

**System Application**
- Partition System
- Liner System

**Specification**
- Coating: Z180 Zinc
- Steel Grade: G2

![Component Image](https://via.placeholder.com/150)

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Flange (mm)</th>
<th>Length (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.60</td>
<td>92</td>
<td>43/45</td>
<td>3000, 3600</td>
<td>RQST</td>
</tr>
</tbody>
</table>

**Noggin Track**

Noggin Tracks are designed to provide support to the wall studs & should be screwed to both flanges of the studs. It is produced as a continuous noggin track which can be fitted to the stud framing in one length, or individual noggins may be cut from the track. Noggin track is produced in Various centered cut sections to suit all stud framed wall installations. Where services are to be fitted and a recessed noggin is required this may be cut from stud or track.

**System Application**
- Partition System
- Liner System

**Specification**
- Coating: AZ150 & Z275 Zinc - Aluminium Alloy
- Steel Grade: G300

![Component Image](https://via.placeholder.com/150)

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Stud Spacing</th>
<th>Flange (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.80</td>
<td>51, 64, 70, 76, 92, 100, 125, 150</td>
<td>3600</td>
<td>300, 400, 600</td>
<td>32</td>
</tr>
</tbody>
</table>

**Fixing Channel**

The Fixing Channels are the horizontal member of the partition metal framework. This is used primarily to back up horizontal cut joints, and also as noggins and to provide support for hanging heavy supports.

**System Application**
- Shaftwall System
- Liner System
- Partition System

**Specification**
- Coating: Z275 Zinc
- Steel Grade: CS-A,B

![Component Image](https://via.placeholder.com/150)

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Flange (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.70</td>
<td>72</td>
<td>3000</td>
<td>10</td>
<td>100</td>
</tr>
</tbody>
</table>

**Resilient Furring Channel**

Designed for use as a sound isolating system to reduce sound transmission.

**System Application**
- Partition System
- Liner System

**Specification**
- Coating: Z275 Zinc
- Steel Grade: G2

![Component Image](https://via.placeholder.com/150)

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Length (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.55</td>
<td>3600</td>
<td>PN581</td>
</tr>
</tbody>
</table>
Flexible Track

When constructing curved walls, stud centers should be reduced to suit the respective lining board. The Flexible Tracks at the top and bottom are curved to match the specified radius and fastened to the structure through the holes provided in the web.

**System Application**
Partition System
Liner System

**Specification**
Coating: Z275 Zinc
Steel Grade: G2

<table>
<thead>
<tr>
<th>Type</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. T.</td>
<td>51,64,76,92</td>
<td>3000</td>
<td>PN103,104,105,106</td>
</tr>
<tr>
<td>D.H.F.T</td>
<td>64,76,92,150</td>
<td>3000</td>
<td>PN107,108,109,110</td>
</tr>
</tbody>
</table>

Expanded Metal Mesh

The Expanded Metal Mesh is a type of metal lath having an open mesh formed by slitting galvanized metal sheet as per specifications and exerting a cross-wise traction resulting in an irregular surface. As part of Gypsemna’s Security wall it is fastened between the boards on each side of the core structure in multiple layer systems and between the studs / under the boards in single layer systems.

**System Application**
Partition System

**Specification**
Coating: Z275 Zinc

<table>
<thead>
<tr>
<th>Weight (Kg/m2)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.63</td>
<td>600</td>
<td>2440</td>
</tr>
<tr>
<td>1.41</td>
<td>600</td>
<td>2440</td>
</tr>
</tbody>
</table>

L Angle

L Angle is the perimeter member for partition & ceiling metal framework. Used for lateral bracing and other structural strengthening applications.

**System Application**
Partition System
Liner System
Cinema System

**Specification**
Coating: AZ150
Zinc-Aluminium Alloy
Steel Grade: G300

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.80, 0.90</td>
<td>25 x 25</td>
<td>3000</td>
<td>10</td>
<td>PN552</td>
</tr>
<tr>
<td>0.80, 0.90</td>
<td>35 x 35</td>
<td>3000</td>
<td>10</td>
<td>PN553</td>
</tr>
<tr>
<td>0.80, 0.90</td>
<td>50 x 50</td>
<td>3000</td>
<td>10</td>
<td>PN554</td>
</tr>
</tbody>
</table>

J Runner - DHT

J Runner - Deflection Head Track (DHT) is commonly used as a wall track for the top fixing of the Shaftwall System. The sections provide a friction fit for the stud and also provide a slip joint to allow any movement of the structure.

**System Application**
Shaftwall System

**Specification**
Coating: AZ 150
Zinc-Aluminium Alloy
Steel Grade: G300

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Flange (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.80</td>
<td>64,102, 152</td>
<td>3000</td>
<td>75x50</td>
<td>10</td>
<td>PN575, 599</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>152JRT075</td>
</tr>
</tbody>
</table>
J Runner Wall Track

J Runner Wall Track is commonly used as a wall track for the bottom fixing of the Shaftwall System. Track sections are normally 3000 mm in length and should be fixed at not more than 600 mm centers.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Component Description</th>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Flange (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaftwall System</td>
<td>D.H.F.T</td>
<td>0.80</td>
<td>64,102, 152</td>
<td>3000</td>
<td>57 x 25</td>
<td>10</td>
<td>152JT075</td>
</tr>
</tbody>
</table>

CH Stud

The CH Studs are specially designed for Shaftwall Systems, whereby access is only via one side, such as those commonly found in lift shafts, stairways and garbage shoots. The CH Studs are designed to provide friction-fit contact for 25 mm Gypsemna’s Core Board as shaftliner. CH Studs normally space at every 600 mm to suit the width of the Gypsemna’s Core Board panel.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Component Description</th>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaftwall System</td>
<td>E Stud</td>
<td>0.55</td>
<td>64,102</td>
<td>3600</td>
<td>10</td>
<td>PN570,590</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.90</td>
<td>64,102, 152</td>
<td>3600</td>
<td>10</td>
<td>PN572,592</td>
</tr>
</tbody>
</table>

E Stud

The E Studs are extremely light in weight and are used for starter studs, intersections, door openings and end studs. A 25 mm gaps between the flange allows friction-fit contact for the 25 mm Gypsemna’s Core Board as shaft liner.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Component Description</th>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaftwall System</td>
<td>E Stud</td>
<td>0.55</td>
<td>64,102, 152</td>
<td>3000</td>
<td>10</td>
<td>152E055</td>
</tr>
</tbody>
</table>

Base Angle

Base Angles are L-shaped, non-load bearing light gauge structural steel elements that constitute the horizontal bottom support to which the vertical Z-Z-Studs are screw-fixed. They also serve as vertical supports for angle junctions in this system. Base Angles are fixed to the concrete floor by means of bottom KDM/L Anchors at 600 mm centers. Both the flanges of the ZZ Studs are fastened from the Base Angle into the ZZ Stud with Hex Head Screws.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Component Description</th>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition System</td>
<td></td>
<td>2.50 to 4</td>
<td>50x50</td>
</tr>
<tr>
<td>Cinema System</td>
<td></td>
<td></td>
<td>60x60</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>75x75</td>
</tr>
</tbody>
</table>
ZZ Purlins

The ZZ Purlins is an assembly made from Z-shaped purlin-sections, roll-formed from high yield galvanized tensile steel. They serve as non-load bearing structural elements of the ZZ Purlins wall system in compliance with limit-heights vs. sections and stud-centre’s. The ZZ Purlins are assembled on the ground and the overlapping flanges screw-fixed (Hex Head Screws-DP). It is then fastened in upright position to the base-angle on the bottom and on top to the appropriate Head Bracket, slotted or dampened, that is fastened to the structure by KDML-Anchors if concrete and welded, bolted or shot if it is to steel.

**System Application**

<table>
<thead>
<tr>
<th>Partition System</th>
<th>Cinema System</th>
</tr>
</thead>
</table>

**Specification**

| Coating: Z275 Zinc & Z180 |

<table>
<thead>
<tr>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness (mm)</td>
</tr>
<tr>
<td>1.5</td>
</tr>
<tr>
<td>2.0</td>
</tr>
</tbody>
</table>

Top Cross Rail

The Top Cross Rails are a primary component of the Keylock Ceiling System that allow a friction fit system to assemble frames for a stronger, more compact, lighter and non-load bearing boards.

**System Application**

<table>
<thead>
<tr>
<th>Ceiling System</th>
</tr>
</thead>
</table>

**Specification**

| Coating: AZ150 Zinc- Aluminium Alloy Steel Grade: G300 |

<table>
<thead>
<tr>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (mm)</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>38</td>
</tr>
</tbody>
</table>

Furring Channel

Furring Channel sections are cold roll formed from zinc coated steel strip is the secondary member for ceiling metal framework. Furring Channels are connected with Top Cross Rails by using Locking Key joiners. The gypsum boards are screwed to furring channel. For additional loads consult the manufacturer.

**System Application**

<table>
<thead>
<tr>
<th>Ceiling System</th>
</tr>
</thead>
</table>

**Specification**

| Coating: AZ150 Zinc- Aluminium Alloy Steel Grade: G300 |

<table>
<thead>
<tr>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (mm)</td>
</tr>
<tr>
<td>38</td>
</tr>
<tr>
<td>38</td>
</tr>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

Furring Channel Track

Furring Channel Track sections provide a friction fit for furring channels, which not only hold the furring channel in position until the board is fitted, but also provides a slip joint to allow movement within structure.

**System Application**

<table>
<thead>
<tr>
<th>Ceiling System</th>
</tr>
</thead>
</table>

**Specification**

| Coating: AZ150 Zinc - Aluminium Alloy Steel Grade: G300 |

<table>
<thead>
<tr>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness (mm)</td>
</tr>
<tr>
<td>0.55</td>
</tr>
</tbody>
</table>
Main Channel sections are cold roll formed from zinc coated steel strip is the primary member (carrying Channel) for Conventional Ceiling metal framework. This is suspended from the roof with wire hanger, adjustment clip and channel hanger.

**System Application**
- Ceiling System
- Cinema System

**Specification**
- Coating: Z180/Z275 Zinc
- Steel Grade: CS-A,B

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.50</td>
<td>38x12x12</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.55</td>
<td>38x12x12</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.70</td>
<td>38x12x12</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.90</td>
<td>38x12x12</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>1.5</td>
<td>38,51,64x12x12</td>
<td>3000</td>
<td>10</td>
</tr>
</tbody>
</table>

Conventional Furring Channel is the secondary member for ceiling metal framework. This is fixed to the main channel with Wafer head screws through the flange. The gypsum boards are screwed to furring channel.

**System Application**
- Ceiling System
- Cinema System

**Specification**
- Coating: Z180/Z275 Zinc
- Steel Grade: CS-A,B

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.50</td>
<td>64x35x23</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.55</td>
<td>64x35x23</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.70</td>
<td>64x35x23</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.90</td>
<td>64x35x23</td>
<td>3000</td>
<td>10</td>
</tr>
</tbody>
</table>

Gypsemna Wall Angle is the perimeter member for ceiling metal framework. This is fixed to the wall.

**System Application**
- Ceiling System

**Specification**
- Coating: Z180/Z275 Zinc
- Steel Grade: CS-A,B

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.50</td>
<td>25x25</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.55</td>
<td>25x25</td>
<td>3000</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0.70</td>
<td>25x25</td>
<td>3000</td>
<td>10</td>
</tr>
</tbody>
</table>

Gypsemna T24 T-Grid Suspension System is a light weight interlocking ceiling system with an exposed grid to support our range of Gypsemna Gypsum Ceiling Tiles. The combination of the pre-decorated white exposed grid and the white ceiling tile provides an aesthetic finish.

**System Application**
- Ceiling System

**Specification**
- Steel Grade: Complies with BS EN 10346:2009

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Length (mm)</th>
<th>No.pcs/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Tee</td>
<td>3600</td>
<td>25</td>
</tr>
<tr>
<td>Cross Tee</td>
<td>1200</td>
<td>50</td>
</tr>
<tr>
<td>Cross Tee</td>
<td>600</td>
<td>75</td>
</tr>
<tr>
<td>Perimeter Angle</td>
<td>3000</td>
<td>50</td>
</tr>
</tbody>
</table>
KDM/L Anchors

High wrench resistant 6mm diameter anchor made of a special steel shaft and cone for forced expansion. The shaft is threaded on one side and has an expansible split part on the other side. Suitable for Fire Rated Systems. They are specially used for fixing of hangers, brackets, and all kind of drywall profiles to concrete slabs where high work load, safety and extreme rapidity of installation is required.

System Application
All Drywall Systems

Specification
Standard Compliance: ETA-04/0026

Component Description

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Packing (Pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 40</td>
<td>200</td>
</tr>
</tbody>
</table>

KDM/N Anchors

KDM/N Anchors are a high wrench resistant [6 mm x 65 mm] anchor made of a special steel shaft and cone for forced expansion. The shaft is threaded on one side and has an expansible split part on the other side. Suitable for fire-rated systems.

System Application
All Drywall Systems except Cinema System

Specification
Standard Compliance: ETA-04/0026

Component Description

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Packing (Pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 65</td>
<td>100</td>
</tr>
</tbody>
</table>

KSD Plug

Shear-load resistant 6 mm diameter plug made of ‘Sherard’ zinc quoted spring steel consisting of a lengthwise cut cylinder with a nail like outline. It is a one piece ‘hammer-in’ type fastener suitable for shear-load only. They are commonly used for fixing of Drywall Profiles to bottom concrete slabs only. They are also used for fixing of wall angles to peripheral concrete walls.

System Application
Partition System
Liner System
Ceiling System

Component Description

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Packing (Pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 30</td>
<td>200</td>
</tr>
<tr>
<td>6 x 40</td>
<td>100</td>
</tr>
</tbody>
</table>
**Wafer Head Screws**

Heavy duty drill point wafer head screw with head diameter of 11 mm. These screws are self drilling framing screws for thicknesses up to 2.5 mm. Heavy duty self drilling Wafer Head Screws are used for rapid power attachment of a steel framing member to another.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Drywall Systems</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td>M4.2 x 13 DP</td>
</tr>
<tr>
<td>Specification</td>
<td>Packing (Pcs)</td>
</tr>
<tr>
<td>Standard Compliance:</td>
<td>1000</td>
</tr>
<tr>
<td>ASTM C 1002</td>
<td></td>
</tr>
</tbody>
</table>

**Hex Head Screws**

Hex Head Screws are self drill point zinc plated screws for heavy gauge metal to metal fastening from 0.7mm.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition System</td>
<td>Size</td>
</tr>
<tr>
<td>Liner System</td>
<td>M4.8 x 19/25/32/50 DP</td>
</tr>
<tr>
<td>Cinema System</td>
<td>M5.5 x 25/32/50 DP</td>
</tr>
<tr>
<td>Specification</td>
<td>Packing (Pcs)</td>
</tr>
<tr>
<td>Standard Compliance:</td>
<td>1000</td>
</tr>
<tr>
<td>ASTM C 954</td>
<td></td>
</tr>
</tbody>
</table>

**Self Tapping Screws**

Heavy duty self tapping bugle head screw with head diameter of 8 mm, are self tapping fasteners for multiple layer drywalls, insulation and accessory mountings on steel structures up to 0.8 mm thickness.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Drywall Systems</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td>M3.5 x 25 ST</td>
</tr>
<tr>
<td></td>
<td>M3.5 x 35 ST</td>
</tr>
<tr>
<td></td>
<td>M3.5 x 45 ST</td>
</tr>
<tr>
<td></td>
<td>M3.5 x 55 ST</td>
</tr>
<tr>
<td></td>
<td>M4.2 x 70 ST</td>
</tr>
<tr>
<td>Specification</td>
<td>Packing (Pcs)</td>
</tr>
<tr>
<td>Standard Compliance:</td>
<td>1000</td>
</tr>
<tr>
<td>ASTM C 1002</td>
<td></td>
</tr>
</tbody>
</table>

**Self Drilling Screws**

Heavy duty drill point bugle head screw with head diameter of 8 mm, are self drilling fasteners for multiple layer drywalls, insulation and accessory mountings on steel structures up to 3.0 mm thickness.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Drywall Systems</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td>M3.5 x 35 DP</td>
</tr>
<tr>
<td></td>
<td>M3.5 x 45 DP</td>
</tr>
<tr>
<td></td>
<td>M3.5 x 55 DP</td>
</tr>
<tr>
<td></td>
<td>M4.2 x 70 DP</td>
</tr>
<tr>
<td>Specification</td>
<td>Packing (Pcs)</td>
</tr>
<tr>
<td>Standard Compliance:</td>
<td>1000</td>
</tr>
<tr>
<td>ASTM C 954</td>
<td></td>
</tr>
</tbody>
</table>
### Laminating Screws

Laminating Screws are fasteners for directly laminating gypsum boards together when used in more than 2 layers as well as fastening accessories to multiple gypsum board layer linings.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition System</td>
<td></td>
</tr>
<tr>
<td>Shaftwall System</td>
<td></td>
</tr>
<tr>
<td>Cinema System</td>
<td></td>
</tr>
<tr>
<td>Specification</td>
<td></td>
</tr>
<tr>
<td>Standard Compliance:</td>
<td>ASTM C 1002</td>
</tr>
<tr>
<td>Size</td>
<td>Packing (Box)</td>
</tr>
<tr>
<td>M4.2 x 32 CS</td>
<td>1000</td>
</tr>
<tr>
<td>M4.2 x 38 CS</td>
<td>1000</td>
</tr>
</tbody>
</table>

### Slotted Web Cleat

The Slotted Web Cleat is typically used to transfer loads in external wall situations where a deflection allowance is needed. It is required as the higher external wall pressures would cause a standard stud/track connection to be overloaded.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition System</td>
<td></td>
</tr>
<tr>
<td>Specification</td>
<td></td>
</tr>
<tr>
<td>Coating: Z180 Zinc</td>
<td></td>
</tr>
<tr>
<td>Steel Grade: G2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Length (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWC3A</td>
<td>125</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>SWC3</td>
<td>80</td>
<td>50</td>
<td>75</td>
</tr>
</tbody>
</table>

### L Bracket

The L Bracket is a simple rigid structure in the shape of an L, one arm fixed to a vertical (Stud) surface, the other projecting horizontally fixed to the support such as Wall, Ceiling or Slab.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition System</td>
<td></td>
</tr>
<tr>
<td>Liner System</td>
<td></td>
</tr>
<tr>
<td>Specification</td>
<td></td>
</tr>
<tr>
<td>Coating: Z180 Zinc</td>
<td></td>
</tr>
<tr>
<td>Steel Grade: G2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>50 x 50</td>
<td>PN546</td>
</tr>
<tr>
<td>1.5</td>
<td>75 x 75</td>
<td>PN545</td>
</tr>
</tbody>
</table>

### Staggered Wall Clip

Staggered Wall Clips are designed to provide effective resistance to sound transmission and acoustic impact when lining boards are attached in various configurations. For ease of installation, place holding clips at the top and bottom of each stud then slide the studs and clips onto the tracks.

<table>
<thead>
<tr>
<th>System Application</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition System</td>
<td></td>
</tr>
<tr>
<td>Specification</td>
<td></td>
</tr>
<tr>
<td>Coating: AZ150 Zinc-Aluminium Alloy</td>
<td></td>
</tr>
<tr>
<td>Steel Grade: G550</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Suits</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 mm Track</td>
<td>PN126</td>
</tr>
<tr>
<td>50 mm Track</td>
<td>PN126</td>
</tr>
</tbody>
</table>
Laminating Screws

Slotted Web Cleat

L Bracket

Staggered Wall Clip

Component Image

Component Description

Thickness (mm)

Part No.

M4.2 x 32 CS

1000

M4.2 x 38 CS

1000

Component Image

Column Encasement Clip

The Column Encasement Clip is designed to be used with the Furring Channel Track in order to encase a column (I & H Sections) up to 16 mm flange thickness.

System Application

Liner System

Specification

Component Description

Thickness (mm)

Part No.

AZ150 Zinc - Aluminium Alloy

Steel Grade: G550

1.05

MBCL

Component Image

Adjustable Direct Fixing Clips - Betafix

The Adjustable Direct Fixing Clips - Betafix is used as a direct fixing of furring channels and battens to either concrete, steel or timber wall or ceiling structures. These clips need to be fixed along the sections in accordance with the relevant maximum span tables. Masonry fasteners should be selected in accordance to specific recommendations.

System Application

Liner System

Cinema System

Specification

Component Description

Thickness (mm)

Packing

Part No.

AZ150 Zinc

Steel Grade: G2

1.55

200

PN BETA

Component Image

Direct Fixing Clip with Anchor

The Direct Fixing Clip with Anchor is an ideal component for battening out irregular walls. For surfaces that do not require any alignment but would require a cavity for cables or plumbing, the Battens should be used. These clips are used as a direct fixing of furring channels and battens to either concrete, timber wall or ceiling structures. The Direct Fixing Clips need to be fixed along the sections in accordance with the relevant maximum span tables.

System Application

Liner System

Cinema System

Specification

Component Description

Thickness (mm)

Part No.

AZ150 Zinc - Aluminium Alloy

Steel Grade: G300

1.25

PN 239A

Component Image

Direct Fixing Clip for Furring Channel

The Direct Fixing Clip for Furring Channel is an ideal component for battening out Structural / Timber - Walls & Ceilings. For surfaces that require cladding the walls with gypsum boards & require a cavity for cables or plumbing, these clips can be used. These clips are used as direct fixing for furring channels to either steel wall frame or timber ceilings. The Direct Fixing Clips need to be fixed along the sections in accordance with the manufacturer’s recommendations.

System Application

Liner System

Ceiling System

Specification

Component Description

Coating: AZ150

Zinc - Aluminium Alloy

Steel Grade: G300

Part No.

PN394

PN226

Component Image
Furring Channel Anchor Clip

Furring Channel Anchor Clips are the ideal component for battening out regular walls and ceilings.

System Application
- Liner System
- Ceiling System

Specification
- Coating: AZ150
- Zinc - Aluminium Alloy
- Steel Grade: G300

Component Description
- Part No.
- PN239, 237

Sound Isolation Clip STWC

The Sound Isolation Clip is specially designed for use as sound isolation system to reduce sound transmission.

System Application
- Partition System
- Liner System

Specification
- Coating: AZ150
- Zinc - Aluminium Alloy
- Steel Grade: G300

Component Description
- Part No.
- PN STWC

Sound Isolation Clip with Anchor STSL

The Sound Isolation Clip is specially designed for use as sound isolation system to reduce sound transmission.

System Application
- Partition System
- Liner System
- Ceiling System

Specification
- Coating: AZ150
- Zinc - Aluminium Alloy
- Steel Grade: G300

Component Description
- Thickness (mm)
- Packing
- Part No.
- 1.25
- 250
- PN STSL

Sound Insulation Clip STSU

The Sound Isolation Clip is specially designed for use as sound isolation system to reduce sound transmission.

System Application
- Partition System
- Liner System
- Ceiling System

Specification
- Coating: AZ150
- Zinc - Aluminium Alloy
- Steel Grade: G300

Component Description
- Thickness (mm)
- Packing
- Part No.
- 1.25
- 250
- PN STSU
Furring Channel Anchor Clip

Suspension Rod Angle Bracket

Suspension Rod Angle Brackets are attached to the slab of the ceiling from one side and to the Suspension Rods from the other side.

System Application
Ceiling System

Specification
Coating: AZ150
Zinc - Aluminium Alloy
Steel Grade: G300

Component Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.25</td>
<td>100</td>
<td>PN247</td>
</tr>
</tbody>
</table>

Furring Channel Joiner

The Furring Channel Joiners are a component of the Keylock Ceiling System, whereby it joins the Furring Channels from end to end.

System Application
Ceiling System

Specification
Coating: AZ150
Zinc - Aluminium Alloy
Steel Grade: G300

Component Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Packing</th>
<th>Part No.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.85</td>
<td>200</td>
<td>PN138</td>
<td>PN158</td>
</tr>
</tbody>
</table>

Suspension Rod

The Suspension Rods are a component of the Keylock Ceiling System, whereby they are cut into the desirable length and then attached to the Suspension Rod Angle Bracket from one end and then into the Adjustable Suspension Hanger clip from the other end.

System Application
Ceiling System

Specification
Coating: Zinc Plated
Steel Grade: G43A

Component Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Length (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>3600</td>
<td>50</td>
<td>PN121</td>
</tr>
</tbody>
</table>

Adjustable Suspension Hanger Clip

The Adjustable Suspension Hanger Clip are a component of the Keylock Ceiling System. The upper vertical side of the hanger allows the Suspension Rod that goes through it to be adjusted in accordance to your preferred height. The lower side of the hanger is specially designed and manufactured in order to hang the primary section (Top Cross Rail) to the ceiling.

System Application
Ceiling System

Specification
Coating: Zinc Plated
Steel Grade: G43A

Component Description

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.85</td>
<td>250</td>
<td>PN2534</td>
</tr>
</tbody>
</table>
The Locking Key Joiners are a component of the Keylock Ceiling System whereby the Top Cross Rail is connected to the Furring Channel.

**System Application**
Ceiling System

**Specification**
Coating: AZ150
Zinc - Aluminium Alloy
Steel Grade: G300

**Component Description**
<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Packing</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.85</td>
<td>100</td>
<td>PN139</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PN159</td>
</tr>
</tbody>
</table>

**KMU/L Anchors**

High wrench resistant 6 mm diameter anchor made of a special steel shaft and an internal 6 mm thread part and a cone for forced expansion. The shaft is threaded on one side and has an expansible split part on the other side. Suitable for Fire Rated Systems. For suspensions from concrete slabs by the means of threaded rods to brackets supporting all kinds of drywall profiles where high work-load, safety and extreme rapidity of installation is required.

**System Application**
Ceiling System

**Specification**
Standard Compliance: ETA-04/0026

**Component Description**
<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 40</td>
<td>200</td>
</tr>
</tbody>
</table>

**Threaded Rod**

The Threaded Rods are designed to be used in high tension due to being relatively long rods and being threaded. They are used as a ceiling suspension by being fixed to hard point on one end such as soffit of concrete slab/beam or steel structure with appropriate fasteners and ceiling frame on the other.

**System Application**
Ceiling System

**Specification**
Coating: Zinc Plated
Steel Grade: G43A

**Component Description**
<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Length (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>2000</td>
<td>M1493000 / MATR30008ZP</td>
</tr>
</tbody>
</table>

**Phoenic Hanger**

The Phoenic Hangers are strong brackets designed such that one of the horizontal part presents an inserted vibrational rubber part. This disposes an internal threading for a 8 mm threaded rod which in turn provides an efficient vibration break even at low frequencies, separating acoustically the structure from the ceiling.

**System Application**
Ceiling System

**Component Description**
Sound block Ceiling Component
The C-Clamp is a strong bracket to hold the main channel for suspended ceilings of limited loads by the means of 6 mm & 8 mm threaded rod. It will accommodate a 38 mm & 45mm main channel allowing for structural suspension centres.

**System Application**
- Ceiling System
- Cinema System

**Component Description**
- Web Width (mm): 38,45,60

**Head Brackets**

The Head Brackets consist of a U–shaped stamped steel body part with 2 holes on each side of the flanges into which necked vibration break rubbers are fitted allowing for dampened connections to the Z-Z-Stud through the corresponding holes in the Z-Z-Studs by the means of 2 heavy duty bolts embedded in necked rubbers.

**System Application**
- Cinema System

**Component Description**
- Sound Isolation Wall Component

**Acoustic V-brace**

The Acoustic V-brace is a specially engineered product for bracing twin frame Drywall partitions. V-brace made with Spring steel to optimize acoustic performance on the Dry Wall System.

**System Application**
- Partition System
- Cinema System

**Component Description**
- Sound Isolation Wall Component

**Backing Rod**

The Backing Rod is cylindrical polyethylene foam material is often used to provide extra support and set the proper depth of material for sealants in expansion and construction joints including tilt slab construction.

**System Application**
- All Drywall Systems

**Specification**
- Material: Polyethylene Foam
- Color: White/Grey

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Length (m)</th>
<th>Packing (M/Roll)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>20</td>
<td>200</td>
<td>200</td>
</tr>
</tbody>
</table>

**Component Description**
- Diameter (mm)
- Length (m)
- Packing (M/Roll)
Extruded Polystyrene Foam (XPS)*

Extruded Polystyrene Foam (XPS)* is a rigid thermal insulation board with skin and has closed cells with common sides. They are produced on a continuous, fully automated extrusion process, in accordance with international specifications and standards. XPS tends to have a high resistance to water absorption. The manufacturing process, combined with intrinsic qualities of the static component of thermo plastic material, gives XPS predictable performance and high insulating value.

**System Application**
- Partition System
- Liner System

**Specification**
- Standard Compliance: ASTM C578

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Density (Kg/m^3)</th>
<th>Packing (m)(Slab)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>32-35</td>
<td>1.25 x 0.60</td>
</tr>
</tbody>
</table>

Glass Mineral Wool

Gypsemna Audio-Insul is a thermal and acoustical insulation in the form of a flexible blanket manufactured from inorganic glass mineral wool bonded by a thermosetting polymer resin binder. It is used as an integral part of a Gypsemna Partition, Ceiling or Wall Lining to enhance the sound insulation or the thermal insulation of the system. Is is also used in conjunction with Gypsemna’s Anti Echo Perforated Gypsum board in a ceiling or wall lining to enhance sound absorption of the system.

**System Application**
- All Drywall Systems

**Specification**
- Standard Compliance: ASTM C553 Type 1 and 2
- ASTM C136
- ASTM C612

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Density (Kg/m^3)</th>
<th>Packing (m)(Roll)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>12, 16</td>
<td>1.20 x 20</td>
</tr>
</tbody>
</table>

Rock Wool*

Rock Wool* is a stable insulation material manufactured from various types of diabase rock, mainly basalt of specific pre-determined chemical compositions, which is melted at super high temperature in a technically advanced but simple process. The resulting natural silicate is drum spun at very high speeds to produce ‘hair-fine’ inert fibers that are bonded together with a special thermosetting resin and impregnated with special additives.

**System Application**
- All Drywall Systems except Cinema System

**Specification**
- Standard Compliance: BS 874 : 1986 - For Thermal Conductivity
- BS 476 : (parts 4), For Fire

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Density (Kg/m^3)</th>
<th>Packing (m)(Slab)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,75,100</td>
<td>40,48</td>
<td>1.20x0.60</td>
</tr>
</tbody>
</table>

Note: * These products are outsourced
Extruded Polystyrene Foam (XPS)*

- Insulation
- System Application: Partition System, Liner System
- Specification: Standards comply with ASTM C578

Glass Mineral Wool

- Insulation
- System Application: All Drywall Systems
- Specification: Standards comply with ASTM C553 Type 1 and 2, ASTM C136, ASTM C612

Rock Wool*

- Insulation
- System Application: All Drywall Systems except Cinema System
- Specification: Standards comply with BS 874:1986 - For Thermal Conductivity, BS 476: (parts 4) - For Fire

Extruded Polystyrene Foam (XPS)* is a rigid thermal insulation board with skin and has closed cells with common sides. They are produced on a continuous, fully automated extrusion process, in accordance with international specifications and standards. XPS tends to have a high resistance to water absorption. The manufacturing process, combined with intrinsic qualities of the static component of thermo plastic material, gives XPS predictable performance and high insulating value.

Gypsemna Audio-Insul is a thermal and acoustical insulation in the form of a flexible blanket manufactured from inorganic glass mineral wool bonded by a thermosetting polymer resin binder. It is used as an integral part of a Gypsemna Partition, Ceiling or Wall Lining to enhance the sound insulation or the thermal insulation of the system. It is also used in conjunction with Gypsemna's Anti Echo Perforated Gypsum board in a ceiling or wall lining to enhance sound absorption of the system.

Rock Wool* is a stable insulation material manufactured from various types of diabase rock, mainly basalt of specific predetermined chemical compositions, which is melted at super high temperature in a technically advanced but simple process. The resulting natural silicate is drum spun at very high speeds to produce ‘hair-fine’ inert fibers that are bonded together with a special thermosetting resin and impregnated with special additives.

Note:* These products are outsourced

accessories

Fibre Jointing Tape

The Fibre Jointing Tape is a self adhesive tape with fine and strong fiber glass mesh. Its unique cross-fibre construction resists stretching to prevent cracking in drywall joints.

System Application
- All Drywall Systems except Cinema System

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Width (mm)</th>
<th>Length (Roll)</th>
<th>Packing (Carton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50</td>
<td>90</td>
<td>24</td>
</tr>
</tbody>
</table>

Metal Tape

The Metal Tape is a cross fibre tape with heat bonded electro-coted steel strips for protection of irregular external corner angles or where rigid angle beads are not suitable.

System Application
- Partition System

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Width (mm)</th>
<th>Length (Roll)</th>
<th>Packing (Carton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50</td>
<td>30</td>
<td>10</td>
</tr>
</tbody>
</table>

Paper Tape

The Paper Tapes are good performing, however, not as good when compared to the Fibre Jointing Tapes. Once the Jointing Compound is applied appropriately both beneath and above the tape, then good results can be achieved.

System Application
- All Drywall Systems

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Width (mm)</th>
<th>Length (Roll)</th>
<th>Packing (Carton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50</td>
<td>75</td>
<td>20</td>
</tr>
</tbody>
</table>
Gypsemna Magnum R100

Gypsemna Magnum R100 joint compound is all purpose ready-mix vinyl-based quick drying filler, providing superior finish specially for gypsum plasterboards.

**System Application**
All Drywall Systems

**Specification**
Standard Compliance:
ASTM C 475

---

Selleys ProSeries Fireblock Sealant

Selleys ProSeries Fireblock Sealant is a low modulus, non-slumping, PSA Composite sealant suitable for Fire & Acoustic rated constructions. It is halogen free and isocyanate free for safer use.

**System Application**
All Fire & Acoustic rated drywall Systems

**Component Description**
Fire and acoustic Sealant
900 g /Sausage

**Paking (Box)**
10 Sausage per box
**Gypsemna Magnum R100**

**System Application**

**All Drywall Systems**

**Specification**

**Standard Compliance:**
ASTM C 475

**Component Description**

**All Purpose Ready Mix Jointing Compound**

- **Packing:** 28 Kg / Bucket

**Selleys ProSeries Fireblock Sealant**

**System Application**

**All Fire & Acoustic rated drywall Systems**

**Component Description**

- **Packing (Box):** 900 g / Sausage
  - 10 Sausage per box

**Selleys ProSeries Fireblock Sealant** is a low modulus, non-slumping, PSA Composite sealant suitable for Fire & Acoustic rated constructions. It is halogen free and isocyanate free for safer use.

**Corner Bead (External)**

**Application:**

- Used to reinforce external corners in walls and ceilings.
- The Perforated 90° External Corner Beads have expanded metal wings angled at 84° to allow the setting compound to penetrate through and under the bead.
- The Expanded 90° External Corner Beads are angled at 84° with 32mm expanded wings to allow setting compound to penetrate through and under the bead, at the same time locking the bead strongly to the board.

**Specification:**

<table>
<thead>
<tr>
<th>Steel Grade: G300</th>
<th>Material: Galvanized Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coating: AZ150</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Dimension (mm)</td>
</tr>
<tr>
<td>90°</td>
<td>30x30</td>
</tr>
<tr>
<td>135°</td>
<td>30x30</td>
</tr>
<tr>
<td>90°</td>
<td>32x32</td>
</tr>
<tr>
<td>135°</td>
<td>32x32</td>
</tr>
</tbody>
</table>

**Corner Bead (Internal)**

**Application:**

The Internal Corner Beads are ideal for a quick and easy finishing for your internal corners. The beads are available in a variety of standard and customized sizes.

**Specification:**

<table>
<thead>
<tr>
<th>Steel Grade: G300</th>
<th>Material: Galvanized Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coating: AZ150</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Dimension (mm)</td>
</tr>
<tr>
<td>90°</td>
<td>30x30</td>
</tr>
<tr>
<td>135°</td>
<td>30x30</td>
</tr>
</tbody>
</table>

**Shadowline Stopping Angle**

**Application:**

The Shadowline Stopping Angle is suitable for vertical, horizontal, and curved applications. Ideally suitable for use around ceiling perimeters, door jambs, windows and lift wells.

**Specification:**

<table>
<thead>
<tr>
<th>Steel Grade: G300</th>
<th>Material: Galvanized Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coating: AZ150</td>
<td></td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>Length (mm)</td>
</tr>
<tr>
<td>10x10x30</td>
<td>2700/3000</td>
</tr>
</tbody>
</table>
Casing Bead

**Application:**
The Casing Beads serve as plaster blocks and are square cornered metal beads that fit snugly over the edge of Gypsemna’s Plasterboards for protection at abutments, whilst no setting required. Upon installation, the Casing Beads allow stucco to maintain a straight line and may then be easily painted at site.

**Specification:**
- **Standard Compliance:** ASTM C 1047
- **Coating:** AZ150 Zinc-Aluminium Alloy
- **Steel Grade:** G300
- **Material:** Galvanized Steel

**Component Description**

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Length (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>3000</td>
<td>P05</td>
</tr>
<tr>
<td>13</td>
<td>3000</td>
<td>P07</td>
</tr>
<tr>
<td>16</td>
<td>3000</td>
<td>P08</td>
</tr>
</tbody>
</table>

Flexible Control Joints

**Application:**
The Flexible Control Joints have a specially designed PVC rubber flexible joint which locks onto two galvanized (AZ 150) setting beads. A protective filament tape is attached to the flexible joint section to keep it clean when applying the setting compound and is removed upon completion. They may be used on both stud walls and flush building board ceilings, as recommended by the architect. The PVC is inherently flame resistant in the sense that if the source of the flame is removed, it will self-extinguish.

**Specification:**
- **Standard Compliance:** ASTM C 1047
- **Coating:** AZ150 Zinc-Aluminium Alloy
- **Steel Grade:** G300
- **Material:** Galvanized Steel

**Component Description**

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>0.4</td>
<td>3000</td>
<td>P35</td>
</tr>
</tbody>
</table>

Stopping Angle

**Application:**
The Stopping Angles have a perforated, recessed edge and are used where the edge of the building board is not exposed and where the fitting of a Stopping Bead would be difficult. The Stopping Angle is fixed to the sheet of building board with an adhesive or staples, with the finishing coats bonding into the building board and feathering up to the bead nib. Ideally used for door jambs and window returns.

**Specification:**
- **Standard Compliance:** ASTM C 1047
- **Coating:** AZ150 Zinc-Aluminium Alloy
- **Tensile Strength:** G 300
- **Material:** Galvanized Steel

**Component Description**

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
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</thead>
<tbody>
<tr>
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<td>P26</td>
</tr>
<tr>
<td>116</td>
<td>3000</td>
<td>P27</td>
</tr>
</tbody>
</table>
Application:
The Stopping Beads are suitable for Gypsemna’s Gypsum Plasterboards of 10mm to 16mm. The finishing coats are applied up to the nib, which is blended back into the sheets.

Specification:
Standard Compliance: ASTM C 1047
Coating: AZ150
Zinc-Aluminium Alloy
Steel Grade: G300
Material: Galvanized Steel

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Length (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>13</td>
<td>3000</td>
<td>P13</td>
</tr>
<tr>
<td>16</td>
<td>3000</td>
<td>P14</td>
</tr>
</tbody>
</table>

Component Description

Application:
The Arch Beads are specially designed to suit our perforated Corner Beads, having the same nib profile and leg strength. The long leg of the Arch Bead is fixed to the inside of the arch profile.

Specification:
Standard Compliance: ASTM C 1047
Coating: AZ150
Zinc-Aluminium Alloy
Tensile Strength: G 300
Material: Hot Dipped Galvanized Steel

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (mm)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforated</td>
<td>3000</td>
<td>P10</td>
</tr>
</tbody>
</table>
Features & Benefits

Features:
- Standard panel design
- Five standard size
- Low profile depth
- Custom manufactured systems
- High Moisture resistand panel doors
- Strong robust steel frame
- Selection of surround finishes
- Concealed hinges on all panels
- State of art manufacturing and assemble plant
- Individually packed in product identifiable cartons

Benefits:
- Reduced risk of incorrect panel being installed
- Reduced installation times
- Ideal for when plenum space is limited
- Suited for all wall or ceiling design requirements
- Higher durability
- Stronger rust proof steel frame
- Design Flexibility
- Added security for keyed panels
- Consistently assured quality of all panels
- Ensured panels are delivered undamaged with panel type clearly identified

Access Panel Type

- Low Profile Sound Loss Insulation Access Panel
- Fire Rated Ceiling and Wall Access Panel
- Metal Faced Budget Access Panel
- Tile Access Panel
- Lift Motor Room Hatch Panel
- Light Weight Plasterboard Access Panel
- Gypsemna Access Panel
access panels

access panel type

Low Profile Sound Loss Insulation Access Panel

Component Profile: SRAP 30
Component Description:
- 300 x 300 mm
- 400 x 400 mm
- 450 x 450 mm
- 530 x 530 mm
- 600 x 600 mm
Panel Hardware:
- Locks: BL, TL, CL
- Trim: FE, SB

Fire Rated Ceiling and Wall Panel

Component Profile: FRAP 1H, FRAP 2H*
Component Description:
- 300 x 300 mm
- 400 x 400 mm
- 450 x 450 mm
- 530 x 530 mm
- 600 x 600 mm
- 1200 x 600 mm
Panel Hardware:
- Locks: BL, None*
- Trim: FE, SB

*Doors are screw fixed

Metal Faced Budget Access Panel

Component Profile: MFAP
Component Description:
- 300 x 300 mm
- 450 x 450 mm
- 550 x 550 mm
- 600 x 600 mm
Panel Hardware:
- Locks: BL, TL
- Trim: FE, SB

Tile Access Panel

Component Profile: RPTP
Component Description:
All Tile Panels are made as per order
Panel Hardware:
- Locks: TL
- Trim: None
Lift Motor Room Hatch Panel (Fire rated)

- **Component Profile**: LMRH 2H
- **Component Description**: All Lift Motor Room Hatches are made as per order
- **Panel Hardware**: 

Light Weight Plasterboard Access Panel

- **Component Profile**: LWPAP
- **Component Description**:
  - 300 x 300 mm
  - 450 x 450 mm
  - 600 x 600 mm
  - Other sizes as per order

Gypsemna Access Panel (12.5mm Moisture Resistant)

- **Component Description**:  
  - 300 x 300 mm
  - 400 x 400 mm
  - 450 x 450 mm
  - 500 x 500 mm
  - 600 x 600 mm
  - Other sizes as per order
partition systems

System Series
- Single Layer Partition - G1 Series
- Double Layer Partition - G2 Series
- Triple Layer Partition - G3 Series
- Chase Wall Partition - GH Series
- Staggered Wall Partition - GS Series

The Special Systems
- Burglar Stop System - GSB Series
- X-Ray Partition - GSX Series

Applicable Standards
- ASTM & EN

Certification

Gypsum Boards
- Regular (RG)
- Moisture Resistant (MR)
- Fire Wall (FW)
- Moisture Resistant & Fire Wall (MRFW)
- Moisture Resistant & Fire Wall Core Board (MRFW-CB)
- Tuff (TF)
- Glass Mat (GM)

Metal Profiles
- C Stud
- Deflection Head Track
- Fixing Channel
- L Angle
- Flexible Track
- Noggin Track
- Quiet Stud
- U Track
- Resilient Furring Channel
- Expanded Metal Mesh
- ZZ Purlins
- Base Angle

Fixing Components
- Backing Rod
- Hex Head Screw
- KDM/L Anchor
- KDM/N Anchor
- KSD Plugs
- L Bracket
- Laminating Screws
- Self Drilling Screw
- Self Tapping Screw
- Slotted Web Cleat
- Sound Isolation Clip STSL
- Sound Isolation Clip STWC
- Staggered Wall Clip
- Wafer Head Screw

Insulation
- Extruded Polystyrene Foam
- Glass Wool
- Rock Wool

Jointing Tape
- Fibre Jointing Tape
- Metal Tape
- Paper Tape

Jointing Filler
- Gypsum Magnum R100

Sealant
- Selleys ProSeries Fireblock Sealant

Finishing Components
- Corner Bead (External)
- Corner Bead (Internal)
- Casing Bead
- Stopping Angle
- Stopping Bead
- Flexible Control Joint
- Arch Bead
**gypsum boards**

Regular  Moisture Resistant  Fire Wall  Moisture Resistant & Fire Wall  Moisture Resistant & Fire Wall - CB  Tuff  Glass Mat

**accessories metal profiles**

C Stud  Deflection Head Track  Fixing Channel  L Angle  Flexible Track  Noggin Track  Quiet Stud  U Track  Resilient Furring Channel  Expanded Metal Mesh  ZZ Purlins  Base Angle

**accessories fixing components**

KDM/L Anchors  KDM/N Anchors  KSD Plugs  Wafer Head Screws  Hex Head Screws  Self Tapping Screws  Self Drilling Screws  Laminating Screws  Slotted Web Cleat  L Bracket  Staggered Wall Clip  Sound Isolation Clip STSL  Sound Isolation Clip STWC  Backing Rod

**accessories insulation**

Extruded Polystyrene Foam  Glass Wool  Rock Wool
accessories jointing tape

Component Name
- Fibre Jointing Tape
- Metal Tape
- Paper Tape

accessories jointing filler

Component Name
- Gypsema Magnum R100

accessories sealant

Component Name
- Selleys ProSeries Fireblock Sealant

accessories finishing component

Component Name
- Corner Bead (External)
- Corner Bead (Internal)
- Casing Bead
- Stopping Angle
- Stopping Bead
- Flexible Control Joint
- Arch Bead
System Description:

Gypsumma Drywall Partition solutions are non load bearing, light weight, easy to install, yet robust - comprising of plasterboards screw fixed on either side to UC metal structures (Tracks and Studs), with joints taped and filled to get even smooth and homogenous surface.

- Low weight in comparison to masonry walls of comparable thickness
  - Enhances saving in structural design
  - Suitable for high rise buildings

- Quick and Easy to install
  - Cost effective
  - Reduced Project completion time

- Performance
  - Fire protection - up to 1 hrs
  - Sound Insulation - up to 51 dB
  - Enhancement of fire & acoustic performance can be achieved by increasing the number of layers of plasterboards

Filling the cavity with insulation enhances the acoustic performance

Used as Partitions in commercial and residential buildings.

G1-Series partition with single layer boards on either side of the UC metal structure.

<table>
<thead>
<tr>
<th>Gypsum Plaster board</th>
<th>Based on the performance requirement, the plasterboard needs to be selected RG for general applications; MR for humid and aerated area application; FW for enhanced fire resistance; TF for enhanced Impact resistance etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracks</td>
<td>Horizontal member of UC metal structure with equal 32mm minimum flange heights. In case of deflection the Top tracks have a flange height of minimum 50mm</td>
</tr>
<tr>
<td>Studs</td>
<td>Vertical member of UC metal structure with unequal flange heights (suitable for boxing of studs)</td>
</tr>
<tr>
<td>Anchors/plugs</td>
<td>Used for fixing the tracks to the slabs and floor respectively</td>
</tr>
<tr>
<td>Drywall screws</td>
<td>Used for screw fixing the boards to the metal structures; available as self tapping or self drilling</td>
</tr>
<tr>
<td>Joint tape and Filler</td>
<td>Used to get a even smooth and homogenous surface at the joints</td>
</tr>
<tr>
<td>Seallant</td>
<td>Applied at the perimeter areas, to achieve the necessary fire and acoustic performance</td>
</tr>
<tr>
<td>Insulation</td>
<td>Used as cavity infill to enhance sound insulation</td>
</tr>
<tr>
<td>Fixing channel / Noggins</td>
<td>Used as backing for horizontal edge cut joints in fire rated partitions</td>
</tr>
</tbody>
</table>

* Stud spacing and metal thickness will be determined by the partition height, deflection limit and lateral pressure. Min. recommended metal thickness is 0.55mm for fire rated partitions.
**System Description:**

**Gypsema Drywall Partition** solutions are non load bearing, light weight, easy to install, yet robust - comprising of plasterboards screw fixed on either side to UC metal structures (Tracks and Studs), with joints taped and filled to get even smooth and homogenous surface.

| | Low weight in comparison to masonry walls of comparable thickness
| | Enhances saving in structural design
| | Suitable for high rise buildings

| | Quick and Easy to install
| | Cost effective
| | Reduced Project completion time

| | Performance
| | Fire protection - up to 3 hrs
| | Sound Insulation - up to 57 dB
| | Enhancement of fire & acoustic performance can be achieved by increasing the number of layers of plasterboards

Filling the cavity with insulation enhances the acoustic performance

Used as Partitions in commercial and residential buildings.

**G2-Series**-partition with multiple layer boards on either side of the UC metal structure.

| **Gypsum Plaster board** | Based on the performance requirement, the plasterboard needs to be selected - RG for general applications; MR for humid and aerated area application; FW for enhanced fire resistance; TF for enhanced impact resistance etc. |
| **Tracks** | Horizontal member of UC metal structure with equal 32mm minimum flange heights. In case of deflection the Top tracks have a flange height of minimum 50mm. |
| **Studs** | Vertical member of UC metal structure with unequal flange heights (suitable for boxing of studs) |
| **Anchors/plugs** | Used for fixing the tracks to the slabs and floor respectively |
| **Drywall screws** | Used for screw fixing the boards to the metal structures; available as self tapping or self drilling |
| **Joint tape and Filler** | Used to get a even smooth and homogenous surface at the joints |
| **Sealant** | Applied at the perimeter areas, to achieve the necessary fire and acoustic performance |
| **Insulation** | Used as cavity infill to enhance sound insulation |
| **Fixing channel / Noggins** | Used as backing for horizontal edge cut joints in fire rated partitions |

* Stud spacing and metal thickness will be determined by the partition height, deflection limit and lateral pressure. Min. recommended metal thickness is 0.55mm for fire rated partitions.
System Description:

Gypsum Plasterboard solutions are non load bearing, light weight, easy to install, yet robust - comprising of plasterboards screw fixed on either side to UC metal structures (Tracks and Studs), with joints taped and filled to get even smooth and homogenous surface.

| Low weight in comparison to masonry walls of comparable thickness |
| Enhances saving in structural design |
| Suitable for high rise buildings |

| Quick and Easy to install |
| Cost effective |
| Reduced Project completion time |

| Performance |
| Fire protection - up to 3 hrs |
| Sound Insulation - up to 61 dB |
| Enhancement of fire & acoustic performance can be achieved by increasing the number of layers of plasterboards |

Filling the cavity with insulation enhances the acoustic performance

Used as Partitions in commercial and residential buildings.

G3-Series-partition with multiple layer boards on either side of the UC metal structure.

| Gypsum Plasterboard | Based on the performance requirement, the plasterboard needs to be selected FW for enhanced fire resistance; TF for enhanced Impact resistance etc. |
| Tracks | Horizontal member of UC metal structure with equal 32mm minimum flange heights. In case of deflection the Top tracks have a flange height of minimum 50mm. |
| Studs | Vertical member of UC metal structure with unequal flange heights (suitable for boxing of studs) |
| Anchors/plugs | Used for fixing the tracks to the slabs and floor respectively |
| Drywall screws | Used for screw fixing the boards to the metal structures; available as self tapping or self drilling |
| Joint tape and Filler | Used to get a even smooth and homogenous surface at the joints |
| Sealant | Applied at the perimeter areas, to achieve the necessary fire and acoustic performance |
| Insulation | Used as cavity infill to enhance sound insulation |
| Fixing channel / Noggins | Used as backing for horizontal edge cut joints in fire rated partitions |

* Stud spacing and metal thickness will be determined by the partition height, deflection limit and lateral pressure. Min. recommended metal thickness is 0.55mm for fire rated partitions.
System Description:

**GH Series** - used for very high acoustic partitions, comprises of multiple layers of gypsum boards screw fixed on the outer side of the UC structure having parallel row of tracks and studs. The parallel rows of studs are braced by plasterboards or by metal profiles through Acoustic V-brace, at defined horizontal heights for various acoustic performance requirements. Filling each stud cavity with acoustic insulation blanket, will enhance acoustical insulation as will do the sealing of the perimeters with Fire and Acoustic sealant that is at the same time providing the necessary air-tightness in case of fire.

**Performance**
- Fire protection - up to 3 hrs
- Sound Insulation - up to 72 dB

<table>
<thead>
<tr>
<th>Gypsum Plaster board</th>
<th>Based on the performance requirement, the plasterboard needs to be selected - RG for general applications; MR for humid and aerated area application; FW for enhanced fire resistance; TF for enhanced Impact resistance etc.</th>
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</thead>
<tbody>
<tr>
<td>Tracks*</td>
<td>Horizontal member of UC metal structure with equal 32mm minimum flange heights. In case of deflection the Top tracks have a flange height of minimum 50mm.</td>
</tr>
<tr>
<td>Studs*</td>
<td>Vertical member of UC metal structure with unequal flange heights (suitable for boxing of studs)</td>
</tr>
<tr>
<td>Anchors/plugs</td>
<td>Used for fixing the tracks to the slabs and floor respectively</td>
</tr>
<tr>
<td>Drywall screws</td>
<td>Used for screw fixing the boards to the metal structures; available as self tapping or self drilling</td>
</tr>
<tr>
<td>Joint tape and Filler</td>
<td>Used to get a even smooth and homogenous surface at the joints</td>
</tr>
<tr>
<td>Sealant</td>
<td>Applied at the perimeter areas, to achieve the necessary fire and acoustic performance</td>
</tr>
<tr>
<td>Insulation</td>
<td>Used as cavity infill to enhance sound insulation</td>
</tr>
<tr>
<td>Fixing channel</td>
<td>Used as backing for horizontal edge cut joints in fire rated partitions</td>
</tr>
<tr>
<td>Bridging component</td>
<td>Plasterboard, Fixing channel and Acoustic V-Brace</td>
</tr>
</tbody>
</table>

* Stud spacing and metal thickness will be determined by the partition height, deflection limit and lateral pressure. Min. recommended metal thickness is 0.55mm for fire rated partitions
System Description:
GS Series - used for acoustic partitions, comprises of single or double layers of gypsum boards screw fixed on the outer side of the UC structure having staggered row of studs, brace between top and bottom tracks and/or guide angles. The studs are not braced horizontally. Filling partition cavity with acoustic insulation blanket, will enhance acoustical insulation as will do the sealing of the perimeters with Fire and Acoustic sealant that is at the same time providing the necessary air-tightness in case of fire.

Performance
- Fire protection - up to 2 hrs
- Sound Insulation - up to 61dB

<table>
<thead>
<tr>
<th>Gypsum Plasterboard</th>
<th>Based on the performance requirement, the plasterboard needs to be selected - RG for general applications; MR for humid and aerated area application; FW for enhanced fire resistance; TF for enhanced Impact resistance etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracks/Guide Angles*</td>
<td>Horizontal member of UC metal structure</td>
</tr>
<tr>
<td>Studs*</td>
<td>Vertical member of UC metal structure with unequal flange heights (suitable for boxing of studs)</td>
</tr>
<tr>
<td>Anchors/plugs</td>
<td>Used for fixing the tracks to the slabs and floor respectively</td>
</tr>
<tr>
<td>Drywall screws</td>
<td>Used for screw fixing the boards to the metal structures; available as self tapping or self drilling</td>
</tr>
<tr>
<td>Joint tape and Filler</td>
<td>Used to get a even smooth and homogenous surface at the joints</td>
</tr>
<tr>
<td>Sealant</td>
<td>Applied at the perimeter areas, to achieve the necessary fire and acoustic performance</td>
</tr>
<tr>
<td>Insulation</td>
<td>Used as cavity infill to enhance sound insulation</td>
</tr>
<tr>
<td>Fixing channel</td>
<td>Used as backing for horizontal edge cut joints in fire rated partitions</td>
</tr>
</tbody>
</table>

* Stud spacing and metal thickness will be determined by the partition height, deflection limit and lateral pressure. Min. recommended metal thickness is 0.55mm for fire rated partitions.
System Description:

GS Series - used for acoustic partitions, comprises of single or double layers of gypsum boards screw fixed on the outer side of the UC structure having staggered row of studs, brace between top and bottom tracks and/or guide angles. The studs are not braced horizontally. Filling partition cavity with acoustic insulation blanket, will enhance acoustical insulation as will do the sealing of the perimeters with Fire and Acoustic sealant that is at the same time providing the necessary air-tightness in case of fire.

Performance

- Fire protection - up to 2 hrs
- Sound Insulation - up to 61 dB

Special Component:

| Expanded Metal Mesh | Inserted between the board layers of the double layered partition or ceiling |

Burglar Stop System - GSB Series

System Description:

GSB Series - comprises of double layer partition, with expanded mesh fixed between the two layers on the attack side(s) and fixed upto the security protection height. It offers considerable resistance for a person(s) to break through the wall with sniping tools. Alternatively sheet steel of 1.2mm thick can also be used.

GCSB Series - comprises of double layer ceiling with expanded mesh fixed between the two layers.

Performance

- Fire protection - up to 3 hrs
- Sound Insulation - up to 57 dB

Special Component:

| Expanded Metal Mesh | Inserted between the board layers of the double layered partition or ceiling |

X-Ray Partition - GSX Series

System Description:

GSX Series - comprises of double layer partition, with single layer of X-Ray board fixed upto the X-ray protection height on the inner layer of the side facing the X-ray source. The X-ray board consists of 3mm lead sheet laminated on a special gypsum board. Lead strips of 3mm thick x 40mm width is glue fixed on the metal studs along the flanges facing the X-ray source before installing the boards.

GCSB Series - comprises of double layer ceiling with expanded mesh fixed between the two layers.

Performance

- Fire protection – up to 2 hrs
- Sound Insulation – up to 58 dB

Special Component:

| X-ray board | Fixed up to the X-ray protection height on the outer layer facing the X-ray source |
| Lead strips | Fixed up to the X-ray protection height on the stud flange. |
ceiling systems

System Series
Keylock Ceiling - GK Series
Conventional Ceiling - GC Series

Applicable Standards
ASTM & EN

Certification

Gypsum Boards
Regular (RG)
Moisture Resistant (MR)
Fire Wall (FW)
Moisture Resistant & Fire Wall (MRFW)
Tuft (TF)
Glass Mat (GM)

KEYLOCK Ceiling System
Metal Profiles
Furring Track
Top Cross Rail
Furring Channel
Expanded Metal Mesh

CONVENTIONAL Ceiling System
Metal Profiles
Conventional Furring Channel
Main Channel
Wall Angle
Expanded Metal Mesh

KEYLOCK Ceiling System
Fixing Components
Adjustable Suspension Hanger
Backin Rod
Direct Fixing Clip with Anchor
Furring Channel Anchor Clip
Furring Channel Joiner
KDM/L Anchor
KMU/L Anchor
KSD Plugs
Locking Key Joiner
Self Drilling Screw
Self Tapping Screw
Laminating Screw
Sound Isolation Clip STSU
Sound Isolation Clip with Anchor STSL
Suspension Bracket

CONVENTIONAL Ceiling System
Fixing Components
Backin Rod
KDM/L Anchor
KMU/L Anchor
KSD Plugs
C Clamps
Threaded Rod
Self Drilling Screw
Self Tapping Screw
Laminating Screw
Wafer Head Screw

Insulation
Glass Wool
Rock Wool

Jointing Tape
Fibre Jointing Tape
Paper Tape

Jointing Filler
Gypsum Magnum R100

Sealant
Selleys ProSeries Fireblock Sealant

Finishing Components
Casing Bead
Flexible Control Joint
Shadow Line Stopping Angle
Stopping Angle
Stopping Bead
## Components

### Gypsum Boards

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular</td>
<td><img src="image" alt="Regular" /></td>
</tr>
<tr>
<td>Moisture Resistant</td>
<td><img src="image" alt="Moisture Resistant" /></td>
</tr>
<tr>
<td>Fire Wall</td>
<td><img src="image" alt="Fire Wall" /></td>
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<tr>
<td>Moisture Resistant &amp; Fire Wall</td>
<td><img src="image" alt="Moisture Resistant &amp; Fire Wall" /></td>
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<tr>
<td>Tuff</td>
<td><img src="image" alt="Tuff" /></td>
</tr>
<tr>
<td>Glass Mat</td>
<td><img src="image" alt="Glass Mat" /></td>
</tr>
</tbody>
</table>

### Accessories: Metal Profiles

#### Keylock Ceiling System

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expanded Metal Mesh</td>
<td><img src="image" alt="Expanded Metal Mesh" /></td>
</tr>
<tr>
<td>Furring Track</td>
<td><img src="image" alt="Furring Track" /></td>
</tr>
<tr>
<td>Top Cross Rail</td>
<td><img src="image" alt="Top Cross Rail" /></td>
</tr>
<tr>
<td>Furring Channel</td>
<td><img src="image" alt="Furring Channel" /></td>
</tr>
</tbody>
</table>

#### Conventional Ceiling System

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expanded Metal Mesh</td>
<td><img src="image" alt="Expanded Metal Mesh" /></td>
</tr>
<tr>
<td>Conventional Furring Channel</td>
<td><img src="image" alt="Conventional Furring Channel" /></td>
</tr>
<tr>
<td>Main Channel</td>
<td><img src="image" alt="Main Channel" /></td>
</tr>
<tr>
<td>Wall Angle</td>
<td><img src="image" alt="Wall Angle" /></td>
</tr>
</tbody>
</table>

### Fixing Components

#### Keylock Ceiling System

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>KDM-L Anchors</td>
<td><img src="image" alt="KDM-L Anchors" /></td>
</tr>
<tr>
<td>KMU-L Anchors</td>
<td><img src="image" alt="KMU-L Anchors" /></td>
</tr>
<tr>
<td>KSD Plugs</td>
<td><img src="image" alt="KSD Plugs" /></td>
</tr>
<tr>
<td>Laminating Screws</td>
<td><img src="image" alt="Laminating Screws" /></td>
</tr>
<tr>
<td>Self Drilling Screws</td>
<td><img src="image" alt="Self Drilling Screws" /></td>
</tr>
<tr>
<td>Self Tapping Screws</td>
<td><img src="image" alt="Self Tapping Screws" /></td>
</tr>
<tr>
<td>Furring Chan. Joiner</td>
<td><img src="image" alt="Furring Chan. Joiner" /></td>
</tr>
<tr>
<td>Locking Key Joiner</td>
<td><img src="image" alt="Locking Key Joiner" /></td>
</tr>
<tr>
<td>Backing Rod</td>
<td><img src="image" alt="Backig Rod" /></td>
</tr>
<tr>
<td>Direct Fixing Clip with Anchor</td>
<td><img src="image" alt="Direct Fixing Clip with Anchor" /></td>
</tr>
<tr>
<td>Furring Channel Anchor Clip</td>
<td><img src="image" alt="Furring Channel Anchor Clip" /></td>
</tr>
<tr>
<td>Sound Isolation Clip STSU</td>
<td><img src="image" alt="Sound Isolation Clip STSU" /></td>
</tr>
</tbody>
</table>

#### Conventional Ceiling System

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>KDM-L Anchors</td>
<td><img src="image" alt="KDM-L Anchors" /></td>
</tr>
<tr>
<td>KMU-L Anchors</td>
<td><img src="image" alt="KMU-L Anchors" /></td>
</tr>
<tr>
<td>KSD Plugs</td>
<td><img src="image" alt="KSD Plugs" /></td>
</tr>
<tr>
<td>Laminating Screws</td>
<td><img src="image" alt="Laminating Screws" /></td>
</tr>
<tr>
<td>Self Drilling Screws</td>
<td><img src="image" alt="Self Drilling Screws" /></td>
</tr>
<tr>
<td>Self Tapping Screws</td>
<td><img src="image" alt="Self Tapping Screws" /></td>
</tr>
<tr>
<td>C Clamp</td>
<td><img src="image" alt="C Clamp" /></td>
</tr>
<tr>
<td>Backing Rod</td>
<td><img src="image" alt="Backing Rod" /></td>
</tr>
<tr>
<td>Threaded Rod</td>
<td><img src="image" alt="Threaded Rod" /></td>
</tr>
</tbody>
</table>
### accessories: insulation

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Wool</td>
<td><img src="image1" alt="Glass Wool" /></td>
</tr>
<tr>
<td>Rock Wool</td>
<td><img src="image2" alt="Rock Wool" /></td>
</tr>
</tbody>
</table>

### accessories: jointing tape

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fibre Jointing Tape</td>
<td><img src="image3" alt="Fibre Jointing Tape" /></td>
</tr>
<tr>
<td>Paper Tape</td>
<td><img src="image4" alt="Paper Tape" /></td>
</tr>
</tbody>
</table>

### accessories: joint filler

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gypsema Magnum R100</td>
<td><img src="image5" alt="Gypsema Magnum R100" /></td>
</tr>
</tbody>
</table>

### accessories: sealant

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selleys ProSeries Fireblock Sealant</td>
<td><img src="image6" alt="Selleys ProSeries Fireblock Sealant" /></td>
</tr>
</tbody>
</table>

### accessories: finishing components

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing Bead</td>
<td><img src="image7" alt="Casing Bead" /></td>
</tr>
<tr>
<td>Flexible Control Joint</td>
<td><img src="image8" alt="Flexible Control Joint" /></td>
</tr>
<tr>
<td>Shadow line Stopping Angle</td>
<td><img src="image9" alt="Shadow line Stopping Angle" /></td>
</tr>
<tr>
<td>Stopping Angle</td>
<td><img src="image10" alt="Stopping Angle" /></td>
</tr>
<tr>
<td>Stopping Bead</td>
<td><img src="image11" alt="Stopping Bead" /></td>
</tr>
</tbody>
</table>
System Description:
Gypsemna Ceiling solutions - comprising of a grid of completely concealed suspended metal frames (void of wire hangers and wire-clips) lined with gypsum plasterboards, with its joint treated (taped and filled) to achieve the even, smooth and homogenous surface - to receive paint or further decoration.

| Light weight and versatile |
| Curvature and other special designs possible |
| Supports in concealing cableways, ducts etc |

| Very Quick and Easy to install |
| Cost effective |
| Reduced Project completion time |

| Performance |
| Fire protection – up to 2 hrs |
| Sound Insulation – up to 70 dB (when used under a concrete floor) |
| Enhancement of fire & acoustic performance can be achieved by increasing the number of layers of plasterboards |
| Filling the cavity with insulation on the back of the ceiling enhances acoustic performance |

| Gypsum Plasterboard | Based on the performance requirement, the plasterboard needs to be selected - RG for general applications; MR for humid & aerated area application; FW for enhanced fire resistance; etc |
| Perimeter support | Furring Channels Tracks fixed at the perimeter on which Furring channel at 90° is friction fitted and board is screw fixed to its underside. |
| Primary Carrying Channel | Top Cross Rail (TCR) - Horizontal member at max. 1200mm* centres |
| Suspension system | Vertical member - a set of a bracket, a variable length suspension rod and an adjustable suspension clip, at max. 900mm* intervals. |
| Secondary Carrying Channel | Horizontal member - Furring channel running cross-wise fixed to the Main Channel by the Locking key at max. 600mm* centres |
| Anchors/plugs | Used for fixing the Suspension system to the slabs and Furring channel Tracks to the wall respectively at max. 600mm centres |
| Drywall screws | Used for screw fixing the boards to the metal structures; available as self tapping or self drilling |
| Joint tape and Filler | Used to get a even smooth and homogenous surface at the joints |
| Sealant | Applied at the perimeter areas, to achieve the necessary fire and acoustic performance |
| Insulation | Used as quilt covering the entire ceiling system will increase sound insulation in the void. Rockwool slabs are used to enhance the fire insulation. |

* Primary and secondary channel centres, and suspension centres are determined by the number of layer of the boards, wind pressure etc during the system design. Min. recommended thickness is 0.55mm.
Gypsemna Ceiling solutions - comprising of a grid of completely concealed suspended metal frames (void of wire hangers and wire-clips) lined with gypsum platerboards, with its joint treated (taped and filled) to achieve the even, smooth and homogenous surface - to receive paint or further decoration.

**Light weight and versatile**
- Supports in concealing cableways, ducts etc
- Quick and Easy to install
- Cost effective
- Reduced Project completion time

**Performance**
- Fire protection - up to 2 hrs
- Sound Insulation - up to 70 dB (when used under a concrete floor)
- Enhancement of fire & acoustic performance can be achieved by increasing the number of layers of plasterboards
- Filling the cavity with insulation on the back of the ceiling enhances of acoustic performance

**GC Series** - Suspended concealed system with Single or multiple layer Gypsum plaster boards, suitable for fire rated and non-fire rated ceiling systems.

<table>
<thead>
<tr>
<th><strong>Gypsum Plaster board</strong></th>
<th>Based on the performance requirement, the plasterboard needs to be selected - RG for general applications; MR for humid &amp; aerated area application; FW for enhanced fire resistance; etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Perimeter support</strong></td>
<td>Wall angle fixed at the perimeter on which Furring channel at 90°is supported. The plasterboard is screw fixed to its underside.</td>
</tr>
<tr>
<td><strong>Primary Carrying Channel</strong></td>
<td>Main Channel (MC) - Horizontal member at max. 1200mm* centres, with 38mm minimum web width.</td>
</tr>
<tr>
<td><strong>MC- Suspensions</strong></td>
<td>Vertical member of variable length- identical to the Main Channel, screw fixed to the Main channel at max. 1200mm* intervals.</td>
</tr>
<tr>
<td><strong>Secondary Carrying Channel</strong></td>
<td>Hat shaped Furring channel running cross-wise and screw fixed to the Main Channel at max. 600mm* centres</td>
</tr>
<tr>
<td><strong>Anchors/plugs</strong></td>
<td>Used for fixing the MC-suspensions to the slabs and wall angles to the wall respectively at max. 600mm centres</td>
</tr>
<tr>
<td><strong>Drywall screws</strong></td>
<td>Used for screw fixing the boards to the metal structures; available as self tapping or self drilling</td>
</tr>
<tr>
<td><strong>Joint tape and Filler</strong></td>
<td>Used to get a even smooth and homogenous surface at the joints</td>
</tr>
<tr>
<td><strong>Sealant</strong></td>
<td>Applied at the perimeter areas, to achieve the necessary fire and acoustic performance</td>
</tr>
<tr>
<td><strong>Insulation</strong></td>
<td>Used as quilt covering the entire ceiling system will increase sound insulation in the void. Rockwool slabs are used to enhance the fire insulation.</td>
</tr>
</tbody>
</table>

*Main and Furring channel centres, MC-suspension interval will be determined while designing the system. Min. recommended metal thickness is 0.55mm.*
Gypsemna Ceiling solutions - comprising of a grid of completely concealed suspended metal frames (void of wire hangers and wire-clips) lined with gypsum platerboards, with its joint treated (taped and filled) to achieve the even, smooth and homogenous surface - to receive paint or further decoration.

- Light weight and versatile
- Supports in concealing cableways, ducts etc
- Quick and Easy to install
- Cost effective
- Reduced Project completion time

Performance

- Fire protection - up to 2 hrs
- Sound Insulation - up to 70 dB (when used under a concrete floor)
- Enhancement of fire & acoustic performance can be achieved by increasing the number of layers of plasterboards
- Filling the cavity with insulation on the back of the ceiling enhances of acoustic performance

GC Series - Suspended concealed system with Single or multiple layer Gypsum plaster boards, suitable for fire rated and non-fire rated ceiling systems.

Conventional Ceiling - GC Series

Gypsum Plasterboard

Based on the performance requirement, the plasterboard needs to be selected - RG for general applications; MR for humid & aerated area application; FW for enhanced fire resistance; etc.

Perimeter support

Wall angle fixed at the perimeter on which Furring channel at 90°is supported. The plasterboard is screw fixed to its underside.

Primary Carrying Channel

Main Channel (MC) - Horizontal member at max. 1200mm* centres, with 38mm minimum web width.

MC- Suspensions

Vertical member of variable length- identical to the Main Channel, screw fixed to the Main channel at max. 1200mm* intervals.

Secondary Carrying Channel

Hat shaped Furring channel running cross-wise and screw fixed to the Main Channel at max. 600mm* centres

Anchors/plugs

Used for fixing the MC-suspensions to the slabs and wall angles to the wall respectively at max. 600mm centres

Drywall screws

Used for screw fixing the boards to the metal structures; available as self tapping or self drilling

Joint tape and Filler

Used to get a even smooth and homogenous surface at the joints

Sealant

Applied at the perimeter areas, to achieve the necessary fire and acoustic performance

Insulation

Used as quilt covering the entire ceiling system will increase sound insulation in the void. Rockwool slabs are used to enhance the fire insulation.

* Main and Furring channel centres, MC-suspension interval will be determined while designing the system. Min. recommended metal thickness is 0.55mm.

Gypsum Boards

- Fire Wall (FW)
- Moisture Resistant & Fire Wall (MRFW)
- Moisture Resistant & Fire Wall Core Board (MRFW-CB)
- Tuff (TF)
- Glass Mat (GM)

Metal Profiles

- CH Stud
- J Runner (DHT)
- E Stud
- J Runner
- Fixing Channel

Fixing Components

- Backing Rod
- KDM-L Anchor
- KDM-N Anchor
- Laminating Screw
- Self Drilling Screw
- Self Tapping Screw
- Wafer Head Screw

Insulation

- Glass Wool
- Rock Wool

Jointing Tape

- Fibre Jointing Tape
- Paper Tape

Jointing Filler

- Gypsum Magnum R100

Sealant

- Selleys ProSeries Fireblock Sealant

Finishing Components

- Casing Bead
- Flexible Control Joint
- Corner Bead (External)
- Corner Bead (Internal)
- Stopping Angle
- Stopping Bead

System Series

Shaftwall System - GSW Series

Applicable Standards

- ASTM & EN

Certifications

- United Arab Emirates - EXOVA
- TÜV Rheinland - CERTIFIED

Shaftwall systems
System Description:
Gypsemna Shaftwall lining solutions - are generally used as liners for various types of building shafts and/or can be used as wall liner where accessibility to work is at one side only. It is mostly used as fire rated systems **GSW Series** - comprises of J-tracks, CH and E-studs as the metal structure elements, with MRFW-CB (core boards) slide into the H part of the CH studs facing the shaft and FW or MRFW boards screw fixed to the other side of the CH facing the corridor.

**Low weight in comparison to masonry walls of comparable thickness**
- Enhances saving in structural design
- Suitable for high rise buildings

**Quick and Easy to install**
- Cost effective
- Reduced Project completion time

**Performance**
- Fire protection - up to 2 hrs
- Sound Insulation - up to 52 dB using Glasswool Insulation
- Enhancement of fire & acoustic performance can be achieved by increasing the number of layers of plasterboards
- Filling the cavity with insulation enhances the acoustic performance

<table>
<thead>
<tr>
<th>Gypsum Plaster board</th>
<th>Based on the performance requirement, the plasterboard needs to be selected - FW for enhanced fire resistance MRFW for humid &amp; aerated area requiring enhanced fire resistance applications.</th>
</tr>
</thead>
<tbody>
<tr>
<td>J-Tracks*</td>
<td>Horizontal member of metal structure with J-deflection tracks(50/75) the top and J-tracks(25/57) at the bottom</td>
</tr>
<tr>
<td>CH and E Studs*</td>
<td>Vertical member of metal structure – with E studs at end positions close to the wall and CH studs at the intermediate positions</td>
</tr>
<tr>
<td>Anchors</td>
<td>Used for fixing the tracks to the slabs and floor</td>
</tr>
<tr>
<td>Drywall screws</td>
<td>Used for screw fixing the boards to the metal structures; available as self tapping or self drilling</td>
</tr>
<tr>
<td>Joint tape and Filler</td>
<td>Used to get a even smooth and homogenous surface at the joints</td>
</tr>
<tr>
<td>Sealant</td>
<td>Applied at the abutment areas, to achieve the necessary fire and acoustic performance</td>
</tr>
<tr>
<td>Insulation</td>
<td>Used as cavity infill to enhance sound insulation</td>
</tr>
<tr>
<td>Fixing channel</td>
<td>Used as backing for horizontal edge cut joints in fire rated partitions</td>
</tr>
</tbody>
</table>

* Metal thickness will be determined by the partition height, deflection limit and lateral pressures.
linier systems

System Series
Independent Wall Liner - GW Series
Dependent Wall Liner - GL Series

Applicable Standards
ASTM & EN

Certification

Gypsum Boards
Regular (RG)
Moisture Resistant (MR)
Fire Wall (FW)
Moisture Resistant & Fire Wall (MRFW)
Tuff (TF)
Glass Mat (GM)

Metal Profiles
C Stud
Fixing Channel
Flexible Track
Furring Channel Track
L Angle
Resilient Furring Channel
Noggin Track
Quiet Stud
Furring Channel
U Track

Fixing Components
Backer Rod
Column Encasement Clip
Direct Fixing Clip - Beta Fix
Direct Fixing Clip with Anchor
Furring Channel Anchor Clip
Hex Head Screws
KDM/L Anchors
KDM/N Anchors
KSD Plugs
L Bracket
Self Drilling Screws
Self Tapping Screws
Wafer Head Screw

Insulation
Extruded Polystyrene Foam
Glass Wool
Rock Wool

Jointing Tape
Fibre Jointing Tape

Jointing Filler
Gypsemna Magnum R100

Sealant
Selleys ProSeries Fireblock Sealant

Finishing Components
Casing Bead
Flexible Control Joint
Corner Bead
Corner Bead (External)
Corner Bead (Internal)
Stopping Angle
Arch Bead
Stopping Bead
gypsum boards

- Regular
- Moisture Resistant
- Fire Wall
- Moisture Resistant & Fire Wall
- Tuff
- Glass Mat

accessories metal profiles

- C Stud
- Fixing Channel
- L Angle
- Flexible Track
- Noggin Track
- Quiet Stud
- U Track

- Resilient Furring Channel
- Furring Track
- Furring Channel

accessories fixing components

- KDM/L Anchors
- KDM/N Anchors
- KSD Plugs
- Hex Head Screws
- Self Drilling Screws
- Self Tapping Screws
- Wafer Head Screw

- Backing Rod
- Column Encasement Clip
- Direct Fixing Clip Beta Fix
- Direct Fixing Clip with Anchor
- Furring Channel Anchor Clip
- L Bracket

accessories insulation

- Extruded Polystyrene Foam
- Glass Wool
- Rock Wool
accessories jointing tape

Fibre Jointing Tape

Paper Tape

accessories joint filler

Gypsema Magnum R100

accessories sealant

Selleys ProSeries Fireblock Sealant

accessories finishing components

Casing Bead

Flexible Control Joint

Corner Bead (External)

Corner Bead (Internal)

Stopping Angle

Arch Bead

Stopping Bead
Independent Wall Liner System - GW Series

System Description:
**GW Series**- Uses traditional UC metal structure (tracks and stud) in a front of the wall to be lined. Thus enclosing any services and also provide cavity of adding insulating material. On the external side of the metal structure the Gypsum plasterboard is screw fixed with its joint, treated (taped and filled) to achieve the even, smooth and homogenous surface.

Dependent Wall Liner System - GL Series

System Description:
**GL Series**- Uses Furring channel or C- studs fixed on to the wall directly or on to adjustable brackets fixed on the walls. On the external side of the metal structure the Gypsum plasterboard is screw fixed with its joint, treated (taped and filled) to achieve the even, smooth and homogenous surface.
cinema systems

System Series

- Cinema Liner Wall - GZZ Series
- Sound Stop Concealed Ceiling - GSS Series

Applicable Standards

- ASTM & EN

Certification

Gypsum Boards
- Fire Wall (FW)
- Moisture Resistant & Fire Wall (MRFW)
- Tuff (TF)
- Glass Mat (GM)

CHASE WALL System
- Metal Profiles
- C Stud
- U Track
- Deflection Head Track
- Noggin Track
- Fixing Channel
- ZZ Purlins
- Base Angle

SOUND STOP CEILING System
- Metal Profiles
- Conventional Furring Channel
- Main Channel
- Wall Angle
- ZZ Purlins
- Base Angle

ZZ STUD WALL System
- Metal Profiles
- Base Angle
- Fixing Channel
- ZZ Purlins

Fixing Components
- Backing Rod
- Phoenic Hanger
- C Clamps
- Threaded Rod
- KDM/L Anchors
- Head Brackets
- Hex Head Screws
- KMU/L Anchors
- Laminating Screw
- Self Drilling Screws
- Self Tapping Screws
- Sound Isolation Clip STSU
- Sound Isolation Clip with Anchor STSL
- Wafer Head Screw

Insulation
- Glass Wool

Jointing Tape
- Paper Tape

Jointing Filler
- Gypsum Magnum R100

Sealant
- Selleys ProSeries Fireblock Sealant

Finishing Components
- Casing Bead
- Flexible Control Joint
- Corner Bead (External)
- Corner Bead (Internal)
- Stopping Angle
- Arch Bead
- Stopping Bead
gypsum boards

Fire Wall  Moisture Resistant & Fire Wall  Tuff  Glass Mat

accessories metal profiles Chase Wall System

Base Angle  Deflection Head Track  Fixing Channel  Self Drilling Screws  U Track

accessories metal profiles Sound Stop Ceiling System

Conventional Furring Channel  Main Channel  Wall Angle  ZZ Purlins  Base Angle  Phoenic Hanger

accessories metal profiles ZZ stud wall System

Base Angle  Fixing Channel  ZZ Purlins

accessories fixing components

KMU/L Anchors  Hex Head Screws  Laminating Screws  Self Tapping Screws  Wafer Head Screw  C Clamp  Backing Rod  Threaded Rod  Phoenic Hanger  Head Bracket

Component Image
Component Name
Component Image
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Component Name

Cement Liner Wall - GZZ Series
Sound Stop Concealed Ceiling - GSS Series

Applicable Standards
ASTM & EN

Component
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Sealed Series
Certification

KMU/L Anchors
C Clamp
<table>
<thead>
<tr>
<th>Component Name</th>
<th>Component Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>accessories insulation</td>
<td></td>
</tr>
<tr>
<td>Glass Wool</td>
<td></td>
</tr>
<tr>
<td>accessories jointing tape</td>
<td></td>
</tr>
<tr>
<td>Paper Tape</td>
<td></td>
</tr>
<tr>
<td>Fibre Jointing Tape</td>
<td></td>
</tr>
<tr>
<td>accessories joint filler</td>
<td></td>
</tr>
<tr>
<td>Gypsemna Magnum R100</td>
<td></td>
</tr>
<tr>
<td>accessories sealant</td>
<td></td>
</tr>
<tr>
<td>Selleys ProSeries Fireblock Sealant</td>
<td></td>
</tr>
<tr>
<td>accessories fixing components</td>
<td></td>
</tr>
<tr>
<td>Casing Bead</td>
<td></td>
</tr>
<tr>
<td>Flexible Control Joint</td>
<td></td>
</tr>
<tr>
<td>Corner Bead (External)</td>
<td></td>
</tr>
<tr>
<td>Corner Bead (Internal)</td>
<td></td>
</tr>
<tr>
<td>Stopping Angle</td>
<td></td>
</tr>
<tr>
<td>Arch Bead</td>
<td></td>
</tr>
<tr>
<td>Stopping Bead</td>
<td></td>
</tr>
</tbody>
</table>
**System Description:**

**GZZ Series** – used in very high acoustic demanding applications. High acoustic insulation is obtained by wrapping the cinema hall with an individual cinema wall liner comprising of multiple (upto 4) layers of gypsum boards screw fixed on the open side of the counterbalanced Z-Z stud structure fixed between the acoustic head bracket at the top and to the base angles at the bottom. Adjacent cinema halls with common wall, shall be considers as two back to back liner walls without any connection between them. Filling the stud cavity of each liner wall with acoustic insulation blanket, will enhance acoustical insulation as will do the sealing of the perimeters with Fire and Acoustic sealant that is at the same time providing the necessary air-tightness in case of fire.

<table>
<thead>
<tr>
<th>Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light weight (in comparison to concrete / block-work)</td>
</tr>
<tr>
<td>No need for structural reinforcements nor bracings</td>
</tr>
<tr>
<td>Dry &amp; high-speed installation</td>
</tr>
<tr>
<td>“Easily understood” junctions with different structures</td>
</tr>
<tr>
<td>Not only provides high acoustic performance also provides high resistance to fire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire protection – up to 2 hrs</td>
</tr>
<tr>
<td>Sound Insulation – up to 75 dB (with sound stop ceiling / bulkhead)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cinemas - in particular Multiplex Cinemas - Heights up to 15 m</td>
</tr>
<tr>
<td>Auditoriums (Operas, Concert Halls, Universities) - up to 12 m</td>
</tr>
<tr>
<td>Hotels (Halls, Ballrooms, Technical Floors) - up to 10 m</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gypsum Plaster board</th>
<th>High density fire rated plasterboard such as; FW, MRFW, etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustic Head bracket</td>
<td>Used as sound isolation device between the roof and the Z-Z studs</td>
</tr>
<tr>
<td>Base Angles*</td>
<td>Horizontal member of Z-Z metal structure with 50mm minimum flange height.</td>
</tr>
<tr>
<td>Z-Z Studs*</td>
<td>Vertical member of Z-Z metal structure, consisting of a left and a right Z studs fixed together</td>
</tr>
<tr>
<td>Fasteners</td>
<td>Fire rated Anchors are used for fixing the base angles to the floor and the head bracket to the concrete super structure. Appropriated fasteners for other structures.</td>
</tr>
<tr>
<td>Hex Head screws</td>
<td>Used for fixing the Z stud together and for fixing the Z-Z stud assembly to the Base angle; available as self drilling</td>
</tr>
<tr>
<td>Drywall screws</td>
<td>Used for screw fixing the boards to the metal structures; available as self drilling</td>
</tr>
<tr>
<td>Joint tape and Filler</td>
<td>Used to get a even smooth and homogenous surface at the joints</td>
</tr>
<tr>
<td>Sealant</td>
<td>Applied at the perimeter areas, to achieve the necessary fire and acoustic performance</td>
</tr>
<tr>
<td>Insulation</td>
<td>Used as cavity infill to enhance sound insulation</td>
</tr>
</tbody>
</table>
Sound Stop Concealed Ceiling - GSS Series

System Description:
GSS Series - Sound Stop Concealed ceiling consisting of galvanized steel main channels fastened to a slab / steel by KMUL anchors / brackets by threaded rods supported by Phonic U-hangers to which cross-wise running furring channels are screw-fixed using wafer head screws at each intersection. Multiple (upto 4) layers of fire rated gypsum boards, all joints staggered from layer to layer, are screw-fixed to the underside of the furring channels. Taping and jointing of the face board provides a smooth continuous surface ready to be painted. A glass wool blanket is unrolled on top of the system.

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gypsum Plaster board</td>
<td>High density fire rated plasterboard such as ; FW, MRFW etc</td>
</tr>
<tr>
<td>Perimeter support</td>
<td>Not to be used</td>
</tr>
<tr>
<td>Threaded Rod</td>
<td>Vertical member of variable length- comprising of threaded rod, fixed to the Phonic Hangers at one side and to the Anchor on the other side.</td>
</tr>
<tr>
<td>Phonic Hanger</td>
<td>Used as sound isolation device between the Threaded Rod and the primary channel</td>
</tr>
<tr>
<td>Primary Carrying Channel</td>
<td>Main Channel (MC) - Horizontal member, with 60mm minimum web width.</td>
</tr>
<tr>
<td>Secondary Carrying Channel</td>
<td>Hat shaped Furring channel running cross-wise and screw fixed to the Main Channel</td>
</tr>
<tr>
<td>Anchors</td>
<td>Used for fixing the Thread Rod to the slabs</td>
</tr>
<tr>
<td>Drywall screws</td>
<td>Used for screw fixing the boards to the metal structures; available as self tapping or self drilling</td>
</tr>
<tr>
<td>Joint tape and Filler</td>
<td>Used to get a even smooth and homogenous surface at the joints</td>
</tr>
<tr>
<td>Sealant</td>
<td>Applied at the perimeter areas, to achieve the necessary fire and acoustic performance.</td>
</tr>
<tr>
<td>Insulation</td>
<td>Used as quilt covering the entire ceiling system to increase sound insulation</td>
</tr>
</tbody>
</table>
GENERAL

It is important to observe appropriate health and safety legislation when working on site i.e. personal protective clothing and equipments, etc. the following notes are intended for general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

HANDLING

Manual off-loading of this product should be carried out with care to avoid unnecessary back muscle strain.

CUTTING

This product may be cut using a Plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. Holes switch or socket boxes should be cut out, using a jab saw or a sharp knife, before the boards are fixed. When cutting boards, power and hand tools should be used with utmost care. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used.

FIXING

Fix boards with decorative (face) side out to receive joint treatment or as a skim plaster finish.

GYPSUM BOARD WEIGHTS

All weights mentioned on Gypsemna Boards are approximate.

MECHANICAL HANDLING

The dimensions of the stack vary depending on the product size. To avoid potentially overloading a forklift truck, it is important that any effect on load centers is considered.

STORAGE

Boards must be stored flat and in dry condition. Practice good housekeeping and stock rotation. Support bearers under a stack of boards must not be more than 400 mm apart.

Disclaimer

Gypsemna endeavors to ensure that all the information it gives is accurate and correct to the best of its knowledge, the designer or other recipient of the information must satisfy himself that the information is appropriate to the specific application. Gypsemna expressly disclaims any and all liability as to any results obtained or arising from any use of product or reliance on such information.
GENERAL

Studs should not be screw fixed to the top track.
Studs should be cut short based on the deflection & expansion gap (gap to be maintained at top)
Provide trim edges with edge trim where vertical edges of panels are exposed.
Build partition first and then the ceilings.
Higher performance wall takes priority at the junctions.
Movement joints should given at appropriate places according to ASTM C 840 or specific locations approved by Architect for visual effect.
Gypsemna systems are accessible with our Access panels.

GENERAL NOTES FOR FIRE & ACOUSTIC RATED PARTITIONS

Horizontal & Vertical boards Joints are to be staggered from side to sides & Layer to Layer.
Seal joints between edges and abutting structural surfaces with Fire and Acoustical sealant.
Horizontal Cut joints to be backed up using fixing channel or Nogging Track to achieve fire rating.
Vertical boarding to be followed for Gypsemna Fire Rated Systems.
Filling of the void with Insulation will enhance acoustical rating.
Effect of Any Service Openings or Other Potential Weaknesses in the Element has to be (rectified) treated with specialist advice.
Fire and acoustic rating to be maintained at penetrations, electrical sockets and movement joints.

WARRANTY ON PERFORMANCE RATED DRYWALL & CEILING SYSTEM

Gypsemna only warrant the systems that have been installed in full compliance to Gypsemna's instructions and specifications.
Limit of the warranty are specified in Gypsemna Warranty Certificate.
The final system warranty letter will be issued only when the project was inspected by Gypsemna Technical team.
Ensure the correct components are used and design proposal is adhered to obtain Gypsemna's certification and warranty.
To conduct site inspection, it is the contractor's responsibility to inform Gypsemna about the readiness of the system at various stages:
  • After framing
  • After Boarding and jointing on one side
  • After Boarding & jointing on other side and application of sealant - around the perimeters & penetrations
    (* Before start of framing - for installers not approved by Gypsemna)

SUSTAINABILITY

Most Gypsemna Products contribute to Regional Materials & Recycle Content Credits.
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NOTES
“THE PERFECT CHOICE”

STRATEGIC PARTNERS:

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MAGNUM PRODUCTS

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