FireLine®
Fire Protection

The consequences of a fire occurring in a building can lead to serious loss of life and property. In addition, the disruption to business activity can result in the loss of vital customers and orders. It is therefore essential that adequate consideration is given to fire safety requirements and the provision of fire protection measures.

In order to safeguard life and property, it is important that the correct level of fire resistance is incorporated in the overall design of buildings. Individual elements of construction should be specified so as to minimize contribution to fire growth. It is essential that fire protection is correctly installed within the building. The effectiveness of fire protection measures can be significantly impaired by substitution of materials, deviation from the recommended fixing methods or poor workmanship/supervision.

Fire protection includes both ‘passive’ and ‘active’ provision. Passive measures are generally built-in to the structure, such that the building can withstand a fire for the design period. Their purpose is to protect the structure and the lives of persons inside in the event of a fire, by reducing or preventing internal and external fire spread, maintaining the stability of the building and the safety and escape routes for the occupants.

Passive provision includes compartmentation and structural fire protection, the provision of good access to buildings for firefighting personnel, and the provision and protection of safe and effective means of escape. Active measures are designed to operate when a fire breaks out, and include the provision of detection and alarm systems, automatic sprinklers, fusible link doors and shutters, emergency lighting and smoke ventilation systems.

Saint-Gobain Gyproc® Malaysia through its wide range of GypWall® products and systems provide excellent passive fire protection solutions ranging from 1 hour to 4 hours taking care of all 3 elements - the stability, integrity and insulation requirements of the system in equal measure.
Components used in Gyproc® Fire Rated Systems

Gyproc® Fire Rated Systems are built to ensure that performance is never compromised. Components used to assemble the systems are crucial and play an important role in sustaining performance. Gyproc® strongly recommends the component specified here for reliable, effective and efficient systems.

- Gyproc® FireLine®
- GypFrame® C-Stud
- GypFrame® U-Track
- GypFrame® Nogging Channel
- GypFrame® Channel ML50A
- GypFrame® GA1 Steel Angle
- ProTop™ Ready Mixed Joint Compound
- Gyproc® Paper Tape
- Metal Corner Bead
- CasoLine® Connecting Clip ML9A
- Expansion Bolts
- Drywall Screws & Wafer Head Screws
Gyproc® GypWall® CLASSIC Fire Rated Wall System provides 1 Hour, 2 Hours & 4 Hours fire protection that are fast and simple to erect, providing robust fire walls. The systems provide smooth seamless surfaces which can be decorated using most finishes.

1 Hour Fire Rated Partitions

Specifications

Example using 62mm C-Stud and 64mm U-Track:

<table>
<thead>
<tr>
<th>Overall Width</th>
<th>Overall Weight</th>
<th>Fire Rating (BS 476 Pt. 22)</th>
<th>Sound Insulation (R_w)</th>
<th>Max. Height</th>
<th>Partition Duty (BS 5234 Pt. 2)</th>
<th>Bomba Reference No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>92 ± 2 mm</td>
<td>29 kg/m²</td>
<td>1 hour</td>
<td>37 dB</td>
<td>3.4 m</td>
<td>Heavy</td>
<td>JPBM:BKK/005/19/12/105</td>
</tr>
</tbody>
</table>
GypFrame® metal studs fixed at 600mm centres

First layer of Gyproc® FireLine® Board fixed at not exceeding 300mm centres using GypFrame® drywall screws

ProTop™ All Purpose Jointing Compound and Gyproc® Paper Tape

GypFrame® U-Track channel suitably fixed to floor at centres not exceeding 600mm

GypFrame® U-Track Channel suitably fixed to soffit at centres not exceeding 600mm

GypFrame® metal studs fixed at 600mm centres

Service cut-out

Drywall screw fixed at maximum 300mm centres

GypFrame® C-Stud Space at 600mm centres

First layer of Gyproc® FireLine® Board

Gyproc® FireLine® Board are laid staggered against each side of partition

Single layer Gyproc® FireLine® Board Staggered Arrangement

* For Gyproc® FireLine® board that are in imperial dimensions, e.g. 4’ x 8’, the C-Stud spacings are at 2’
**Specifications**

Board joints are staggered

GypFrame® C-Stud

Gypframe® U-Track (fixed to soffit or other structural elements)

Gyproc FireLine® 15mm x 2

Board joints are staggered

Gyproc® Paper Tape

GypFrame® C-Stud

ProTop™ Joint Compound

Gyproc® Drywall Screw (at maximum 300 mm centres)

Example using 62mm C-Stud and 64mm U-Track:

<table>
<thead>
<tr>
<th>Overall Width</th>
<th>Overall Weight</th>
<th>Fire Rating (BS 476 Pt. 22)</th>
<th>Sound Insulation (R_w)</th>
<th>Max. Height</th>
<th>Partition Duty (BS 5234 Pt. 2)</th>
<th>Bomba Reference No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>122 ± 2 mm</td>
<td>54 kg/m²</td>
<td>2 hour</td>
<td>45 dB</td>
<td>4.4 m</td>
<td>Severe</td>
<td>JPBM:BKK/005/19/12/96</td>
</tr>
</tbody>
</table>

**Installation Method**

First layer of Gyproc® FireLine® board fixed at not exceeding 300mm centres using GypFrame® drywall screws

GypFrame® metal studs fixed at 600mm centres

Outer layer of Gyproc® FireLine® board laid staggered and fixed at not exceeding 300mm centres using GypFrame® drywall screws

ProTop™ All Purpose Jointing Compound and Gyproc® Paper Tape

GypFrame® U-Track channel suitably fixed to floor at centres not exceeding 600mm

* For Gyproc® FireLine® board that are in imperial dimensions, e.g. 4’ x 8’, the C-Stud spacing are at 2’
Installation Method

GypFrame® U-Track Channel suitably fixed to soffit at centres not exceeding 600mm

GypFrame® metal studs fixed at 600mm centres

Service cut-out

**SECTIONAL VIEW**

GypFrame® C-Stud Space at 600mm centres

Drywall screw fixed at maximum 300mm centres

**ELEVATION VIEW - FIRST LAYER**

Extension of Gyproc® FireLine® board on inner layer

GypFrame® C-Stud spaced at 600mm centres

Drywall screws are fixed at maximum 300mm centres

Gyproc® FireLine® board

**PLAN VIEW**

Second layer of Gyproc® FireLine® Board

Gyproc® FireLine® Board are laid staggered against the inner layer of each side of partition

Double layer Gyproc® FireLine® Board Staggered Arrangement

**ELEVATION VIEW - SECOND LAYER**

Drywall screws are fixed at maximum 300mm centres

Second layer of Gyproc® FireLine® board laid staggered to first layer

* For Gyproc® FireLine® board that are in imperial dimensions, e.g. 4’ x 8’, the C-Stud spacing are at 2’

* Length drywall screw must be 10mm longer than total fixing thickness
4 Hours Fire Rated Partitions

Specifications

Board joints are staggered horizontally

| GypFrame® U-Track 64mm (fixed to soffit or other structural elements) |
| Gyproc® DuraLine® Plus 19mm x 3 |
| Gyproc® Paper Tape |
| ProTop™ Joint Compound |
| Gyproc® Drywall Screw (at maximum 300mm centres) |

GypFrame® C-Stud 62mm (spaced at 600mm centres)

C-Stud Service Cut-Out

GypFrame® U-Track 76mm (fixed to structural floor)

GypFrame® U-Track 64mm (fixed to soffit or other structural elements)

Gyproc® DuraLine® Plus 19mm x 3

Board joints are staggered vertically

GypFrame® C-Stud 62mm Wall Skirting

* Please contact Gyproc® Malaysia on project details for optimal design specifications.

<table>
<thead>
<tr>
<th>Overall Weight (GypWall® only)</th>
<th>Fire Rating (BS 476 Pt. 22)</th>
<th>Sound Insulation (STC)</th>
<th>Max. Height (L/240 at 200 Pa)</th>
<th>Partition Duty (BS 5234 Pt. 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>176 ± 2 mm</td>
<td>106 kg/m²</td>
<td>4 hour</td>
<td>57</td>
<td>Severe</td>
</tr>
</tbody>
</table>

Specifications
Installation Method

- Splicing Overlap
- C-Stud Overlapping Length
- 300mm
- 600mm from soffit slab
- Service Cut-out
- Expansion Bolt 8mm at 600mm Centres
- Extension with maximum height from support to overlap not more than 600mm, overlap studs at 300mm
- Extension with maximum height from support to overlap more than 600mm, overlap studs at 600mm
- Gypframe® C-stud Splicing Overlap

Isometric View of C-Stud Overlap Details
**Installation Method**

- **GypFrame® 64mm U-Track Channel suitably fixed to soffit at centres not exceeding 600mm**
- **GypFrame® 62mm C-Studs fixed at 610mm centres**
- **Gyproc® DuraLine® 19mm fixed at not exceeding 300mm centres using GypFrame® drywall screws centres**
- **Gyproc® DuraLine® 19mm laid staggered**
- **Protop™ All Purpose Jointing Compound and Gyproc® Paper Tape**
- **GypFrame® 64mm U-Track channel suitably fixed to floor at centres not exceeding 600mm**

**ISOMETRIC VIEW**

- **Expansion Bolt 8mm at 600mm centres**
- **GypFrame® 62 C-Studs Fixed at 610mm centres**
- **Service cut-out**

**SECTIONAL VIEW**

**LIFT GYPBOARD 10MM OVER THE FINISHING LEVEL**
The use of Gyproc® FireLine® boards ensures that the fire protection performance meets local and international standards, be it for peace of mind or to meet building regulations.

### 1 Hour Fire Rated Partitions

<table>
<thead>
<tr>
<th>Detail</th>
<th>Stud size (mm)</th>
<th>Overall Thickness (mm)</th>
<th>Approx. Weight (kg/m³)</th>
<th>Max. Height (mm)</th>
<th>Fire Resistance (hour)</th>
<th>Sound Insulation (dB)</th>
<th>Partition Duty (BS 5234 Part 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>49</td>
<td>81</td>
<td>27</td>
<td>2.8</td>
<td>1</td>
<td>16</td>
<td>Heavy</td>
</tr>
<tr>
<td>2</td>
<td>49</td>
<td>81</td>
<td>29</td>
<td>2.8</td>
<td>1</td>
<td>12</td>
<td>Heavy</td>
</tr>
<tr>
<td>1</td>
<td>62</td>
<td>94</td>
<td>27</td>
<td>3.4</td>
<td>1</td>
<td>17</td>
<td>Heavy</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>94</td>
<td>29</td>
<td>3.4</td>
<td>1</td>
<td>17</td>
<td>Heavy</td>
</tr>
<tr>
<td>1</td>
<td>74</td>
<td>106</td>
<td>27</td>
<td>3.8</td>
<td>1</td>
<td>17</td>
<td>Heavy</td>
</tr>
<tr>
<td>2</td>
<td>74</td>
<td>106</td>
<td>29</td>
<td>3.8</td>
<td>1</td>
<td>17</td>
<td>Heavy</td>
</tr>
<tr>
<td>1</td>
<td>92</td>
<td>124</td>
<td>27</td>
<td>4.7</td>
<td>1</td>
<td>13</td>
<td>Heavy</td>
</tr>
<tr>
<td>2</td>
<td>92</td>
<td>124</td>
<td>29</td>
<td>4.7</td>
<td>1</td>
<td>13</td>
<td>Heavy</td>
</tr>
</tbody>
</table>

### 2 Hours Fire Rated Partitions

<table>
<thead>
<tr>
<th>Detail</th>
<th>Stud size (mm)</th>
<th>Overall Thickness (mm)</th>
<th>Approx. Weight (kg/m³)</th>
<th>Max. Height (mm)</th>
<th>Fire Resistance (hour)</th>
<th>Sound Insulation (dB)</th>
<th>Partition Duty (BS 5234 Part 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>49</td>
<td>111</td>
<td>52</td>
<td>3.7</td>
<td>2</td>
<td>48</td>
<td>Severe</td>
</tr>
<tr>
<td>2</td>
<td>49</td>
<td>111</td>
<td>54</td>
<td>3.7</td>
<td>2</td>
<td>48</td>
<td>Severe</td>
</tr>
<tr>
<td>1</td>
<td>62</td>
<td>124</td>
<td>52</td>
<td>4.4</td>
<td>2</td>
<td>48</td>
<td>Severe</td>
</tr>
<tr>
<td>2</td>
<td>62</td>
<td>124</td>
<td>54</td>
<td>4.4</td>
<td>2</td>
<td>48</td>
<td>Severe</td>
</tr>
<tr>
<td>1</td>
<td>74</td>
<td>136</td>
<td>52</td>
<td>4.9</td>
<td>2</td>
<td>48</td>
<td>Severe</td>
</tr>
<tr>
<td>2</td>
<td>74</td>
<td>136</td>
<td>54</td>
<td>4.9</td>
<td>2</td>
<td>48</td>
<td>Severe</td>
</tr>
<tr>
<td>1</td>
<td>92</td>
<td>154</td>
<td>52</td>
<td>5.9</td>
<td>2</td>
<td>39</td>
<td>Severe</td>
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<tr>
<td>2</td>
<td>92</td>
<td>154</td>
<td>54</td>
<td>5.9</td>
<td>2</td>
<td>39</td>
<td>Severe</td>
</tr>
</tbody>
</table>
### 4 Hours Fire Rated Partitions

#### 1

Triple Layers of Gyproc® DuraLine® PLUS 19mm on each side of the stud

<table>
<thead>
<tr>
<th>Detail</th>
<th>Stud size (mm)</th>
<th>Overall Thickness (mm)</th>
<th>Approx. Weight (kg/m²)</th>
<th>Max. Height (mm)</th>
<th>Fire Resistance (hour)</th>
<th>Sound Insulation (dB)</th>
<th>Partition Duty (BS 5234 Part 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>49</td>
<td>163</td>
<td>104</td>
<td>3.7</td>
<td>4</td>
<td>56</td>
<td>Severe</td>
</tr>
<tr>
<td>2</td>
<td>49</td>
<td>163</td>
<td>106</td>
<td>3.7</td>
<td>4</td>
<td>54</td>
<td>Severe</td>
</tr>
<tr>
<td>3</td>
<td>62</td>
<td>176</td>
<td>104</td>
<td>4.4</td>
<td>4</td>
<td>57</td>
<td>Severe</td>
</tr>
<tr>
<td>4</td>
<td>62</td>
<td>176</td>
<td>106</td>
<td>4.4</td>
<td>4</td>
<td>54</td>
<td>Severe</td>
</tr>
<tr>
<td>5</td>
<td>74</td>
<td>188</td>
<td>104</td>
<td>4.9</td>
<td>4</td>
<td>58</td>
<td>Severe</td>
</tr>
<tr>
<td>6</td>
<td>74</td>
<td>188</td>
<td>106</td>
<td>4.9</td>
<td>4</td>
<td>54</td>
<td>Severe</td>
</tr>
<tr>
<td>7</td>
<td>92</td>
<td>206</td>
<td>104</td>
<td>5.9</td>
<td>4</td>
<td>59</td>
<td>Severe</td>
</tr>
<tr>
<td>8</td>
<td>92</td>
<td>206</td>
<td>106</td>
<td>5.9</td>
<td>4</td>
<td>54</td>
<td>Severe</td>
</tr>
</tbody>
</table>

#### 2

Triple Layers of Gyproc® DuraLine® PLUS 19mm on each side of the stud plus 50mm stonewool 40kg/m³ in the cavity

<table>
<thead>
<tr>
<th>Detail</th>
<th>Stud size (mm)</th>
<th>Overall Thickness (mm)</th>
<th>Approx. Weight (kg/m²)</th>
<th>Max. Height (mm)</th>
<th>Fire Resistance (hour)</th>
<th>Sound Insulation (dB)</th>
<th>Partition Duty (BS 5234 Part 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>163</td>
<td>104</td>
<td>3.7</td>
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<td>62</td>
<td>176</td>
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<td>59</td>
<td>Severe</td>
</tr>
<tr>
<td>8</td>
<td>92</td>
<td>206</td>
<td>106</td>
<td>5.9</td>
<td>4</td>
<td>54</td>
<td>Severe</td>
</tr>
</tbody>
</table>

*For more information, please contact Gyproc Malaysia.

“We aim to be the preferred choice for interior building and lightweight construction systems that provide innovative design solutions”
Gyproc® CasoLine® Concealed Fire Rated Ceiling System provides up to 1-hour fire protection and is commonly used for services above the ceiling.

**1 Hour Fire Rated Ceiling**

### Specifications

- **Overall Weight (Ceiling System only)**: 28 kg/m²
- **Maximum Allowable Load**: 3 kg/m²
- **Bomba Reference No.**: JPBM:BKK/005/19/12/93

*For Gyproc® FireLine® boards that are in imperial dimensions, e.g. 4’ x 8’, the secondary channel spacings are at 16”.

### Installation Method

1. Cutting and Folding of Steel Angle to form Ceiling Hanger
2. Boards are laid in Cross Bond
3. All inner layer and outer layer joints are laid staggered.

Boards are fixed at 240mm centres at the centre and 150mm centres at the board ends.
CasoLine® 2-Hours Self-Supported Fire Rated Ceiling System provides up to 2-hours of top and bottom fire protection.

**Specifications**

* Please contact Gyproc® Malaysia on project details for optimal design specifications.

*For GypFrame® that is more than 0.8mm BMT, use Bugle Head Self Tapping screws to fix FireLine® 15mm.

- GypFrame® U-Track (fixed to soffit or other structural elements)
- Gyproc® Drywall Screw (at maximum 200mm centres)
- Gyproc® Paper Tape
- ProTop® Joint Compound
- Gyproc® FireLine 15mm x 2 (board joint are staggered fixed)
- GypFrame® C-Stud (spaced at 610mm centres)
- Gyproc® FireLine 15mm x 3
- GypFrame® Nogging channel

- Gyproc® U-Track (fixed to soffit or other structural elements)
- Gyproc® FireLine 15mm x 3
- GypFrame® C-Stud spaced at 610mm centres
- Gyproc® FireLine 15mm x 2

* Please contact Gyproc® Malaysia on project details for optimal design specifications.

<table>
<thead>
<tr>
<th>Overall Width</th>
<th>Overall Weight</th>
<th>Fire Rating (BS 476 Pt. 22)</th>
<th>Gypsum Size</th>
<th>Sound Insulation (Rw)</th>
<th>Max. Span</th>
<th>Fire Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>225 ± 2 mm</td>
<td>70 kg/m³</td>
<td>2 hour</td>
<td>150mm</td>
<td>55 dB</td>
<td>3.10 m</td>
<td>From top &amp; below</td>
</tr>
</tbody>
</table>
Installation Method

**ProTop™ ALL PURPOSE JOINTING COMPOUND and Gyproc® PAPER TAPE** on unexposed and exposed fire face only.

(Upper) 2 layer of Gypboard® FireLine® 15mm fixed at not exceeding 200mm centres using GypFrame® drywall screws

GypFrame® 150mm 1.15 BMT C-Studs fixed at 610mm centres

(Below) 3 layer of Gypboard® FireLine® 15mm laid staggered and fixed at not exceeding 200mm centres using GypFrame® drywall screws

GypFrame® 150mm 1.15 BMT U-Track Channel suitably fixed to walls at centres not exceeding 600mm

GypFrame® 150mm nogging track 0.75 BMT

(Upper) 2 layer of Gypboard® FireLine® 15mm laid staggered and fixed at not exceeding 200mm centres using bugle head self tapping screw

150mm GypFrame® C-Studs joint are staggered

150mm GypFrame® U-Track Channel

Gyproc® FireLine® 15mm x 2

Gyproc® FireLine® 15mm x 3

FIRE SIDE

Board joint are staggered

150mm GypFrame® C-Studs

150mm GypFrame® U-Track Channel

Bugle head self tapping screw

NOTE: All joint on the outer layer with Gyproc paper tape and proplig joint compound and screw heads with proplig joint compound on both exposed and unexposed face.

* Please contact Gyproc® Malaysia on project details for optimal design specifications.
Gyproc® Fire Rated Partition Requirements

Issuance of Bomba Certification and C2 Forms

Terms and Conditions

- Full Gyproc® Fire Rated Systems are used
- Installation to complete according to Gyproc®'s recommendations
- Compliant to Gyproc® Fire Rated Partitions Inspection Procedures

Gyproc® Fire Rated Partitions are based on imperforate construction

Gyproc® issues C2 Form

"Your Preferred Choice for Interior Building Systems"
Procedures of Fire Rated Partition Inspection

1. Identify site location and obtain design specification from architect / consultant
2. Inform Gyproc® 3 working days prior to actual installation/commencement of work
3. Gyproc® inspection during installation of framing works and/or one side partition boarding works
4. Drawings / Information / Details / Actions of Installer / Contractor During First Inspection
   - Drawing plans indicating layout and location of work
   - Fire Rated System specification: Stud Size, Layers, Type and Thickness
   - Wall / Ceiling area to be installed
   - Fill up Fire Rated Information Form
5. Gyproc® confirmed satisfactory and proceed with works
6. Fire Rated Form completed and returned to Gyproc®
7. Issuance of Fire Rated C1, C2, C3 forms with Bomba Certificate
8. Rectification required
Key Facts

- Satisfies insurance company requirement for enhanced fire performance
- Satisfies BS 5234 requirements up to and including Severe Duty
- Minimal wall thickness with optimal fire resistance
- Achieve 60 minutes and 120 minutes Fire Resistance to BS476 Part 22 Standard
- Accommodate Services within the Stud Cavity

Applications

- Data server rooms (to prevent data lost due to fire)
- Shopping / Commercial complexes
- Office spaces
- Metro terminals
- Electrical rooms
- Valuables storage room

Sectors

- Office / Commercial
- Retail
- Sport and leisure
- Education
- Health Care
- Industrial
Benefits of Gyproc® System

**Fire-Rated** wall and ceiling systems limit internal fire spread to enable you to exit safely in the event of a fire.

Excellent **sound insulation** that provides a pleasant and peaceful environment in your home and commercial spaces.

**Robust** walls that are sturdy and durable enabling heavy weight applications of up to 120kg.

**Flexibility** in creating and dividing living spaces according to your needs.

**Versatility** of the systems enables use in all internal areas of your home and commercial spaces.

**Aesthetic appeal** that result in seamless and crack-free surfaces, allowing ease of decoration via paint, tiles or wallpapers.

**Excellent thermal** insulation to help reduce electricity consumption especially in rooms with air conditioning.

**Moisture resistant** properties enabling usages in intermittently damp areas such as bathrooms and kitchen.

Made from **recyclable and environmental friendly** products. Conforms to ASTM D5 116-06 (determination of organic emissions from indoor materials/products).
FireLine® comprises of gypsum compound mixed with special ingredient in the core, bounded in pink faced paper. It is universally used in Gyproc wall partitioning systems, wall linings and ceiling systems to give increased fire protection.

**Technical Information**

**Characteristics**
Gypsum plasterboard uses special ingredient in the core to improve the cohesive properties of board at high temperatures.

**Application**
Universally used for walls and ceiling system that requires fire performance.

**Thickness**
- 15mm

**Nominal Sizes**
- 1200mm x 2400mm
- 1220mm x 2440mm (4’ x 8’)

**Standards**
- ASTM C1396
- BS EN 520
- BS 476 Part 4
- BS 476 Part 22

**Edge Type**
- Square Edge, SE
- Recessed Edge, RE

For other specs, please contact our Customer Service department

**Certified by**
- Jabatan BOMBA dan Penyelamat Malaysia
- TÜV SÜD PSB Corp Pte Ltd

**Fire Resistance**
- Provides up to 120 minutes fire resistance in accordance with BS 476 Part 22 (FireLine® in GypWall® system)
- Classify as non-combustible material when tested in accordance with BS 476 Part 4

**Moisture Resistance**
- Available with water repellent additives in the core – FireLine® MR
- Used in GypWall® system where both fire protection and moisture resistance are required

**Thermal Insulation**
- Thermal resistance value (R) between 0.06 - 0.1 sq m K/W (depending on thickness)
- Low thermal convection (U) between 10 – 16.7K/W (depending on thickness)

**Workability**
- Lightweight
- Quick and easy installation

**Health and Environmental Friendly**
- Recyclable material
- Does not produce toxic fumes or hazardous substance that are harmful to health

Image provided is for reference only, kindly obtain confirmation from Gyproc’s Technical Support Personnel before submission of specification for any project.