Kontor

MgO Sulphate Panel Board

“The better way to build”
Kontor

**MgO Panel Sulphate Board**

Kontor’s MgO Sulphate Panel Boards are a high performance structural product for the construction and building industry. Ideal and proven for walling systems, partitions, flooring, cladding and for tiling on.

- Fireproof certified (A1)
- Environmentally sustainable
- Suitable for internal and external use
- Mineral based product with re-enforced fiberglass layers
- Suitable for commercial, industrial, public and residential uses
- 100% Non-toxic

**Composition**

MgO (Magnesium Oxide Sulphate Board) panels are produced at room temperature using minimal raw materials and energy consumption throughout the manufacturing process.

Each board manufactured is non-hazardous, contains no organic solvent, asbestos, oils, toxic components, heavy metals or salts that could cause contamination or result in environmental damage.

**Material Comparison**

<table>
<thead>
<tr>
<th>Product</th>
<th>MgO Sulphate</th>
<th>Fiber Cement</th>
<th>MgO Standard</th>
<th>Gypsum Board</th>
<th>OSB/Plywood</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>Low</td>
<td>High</td>
<td>Low</td>
<td>Low</td>
<td>High</td>
</tr>
<tr>
<td>Fire Resistant</td>
<td>Excellent</td>
<td>Good</td>
<td>Good</td>
<td>Poor</td>
<td>Poor</td>
</tr>
<tr>
<td>Water resistant</td>
<td>Excellent</td>
<td>Good</td>
<td>Good</td>
<td>Poor</td>
<td>Poor</td>
</tr>
<tr>
<td>Mould / insect resistant</td>
<td>Excellent</td>
<td>Good</td>
<td>Excellent</td>
<td>Poor</td>
<td>Poor</td>
</tr>
<tr>
<td>Flexibility</td>
<td>Excellent</td>
<td>Poor</td>
<td>Excellent</td>
<td>Poor</td>
<td>Poor</td>
</tr>
<tr>
<td>Fasten strength</td>
<td>Excellent</td>
<td>Poor</td>
<td>Excellent</td>
<td>Poor</td>
<td>Excellent</td>
</tr>
<tr>
<td>Environmental</td>
<td>Good</td>
<td>Asbestos risk</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
</tr>
<tr>
<td>Chloride %</td>
<td>None</td>
<td>Yes</td>
<td>High</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Cutting</td>
<td>Saw cut</td>
<td>Cutting machine</td>
<td>Saw cut</td>
<td>Saw cut</td>
<td>Cutting machine</td>
</tr>
</tbody>
</table>

MgO Sulphate board is a new generation chloride free MgO board, designed for internal and external use. It is made from magnesium oxide and magnesium sulphate. A1 fireproof, waterproof, 60% lighter weight than cement board.
12mm MgO Sulphate Board

Superior Performance

MgO Sulphate board is engineered to eliminate the toughest problems faced by architects, engineers, contractors, and builders today while also making construction easier. Addressing both, magnesium oxide sulphate boards result in lower construction costs during installation and reduced maintenance expenses over the lifespan of the building.

It also provides a better alternative for healthy, affordable, durable, and energy efficient buildings. MgO Sulphate board is a technologically advanced building material offering superior performance in every category when compared to traditional wood, gypsum, and cement based products.

Sustainability

MgO Sulphate board has very low carbon footprint and it can be recycled or re-purposed. It contributes to clean landfills since it is classified as a mineral and when ground to powder becomes a valuable soil amender.
Application and Finishes

All boards are supplied at 3000mm x 1200mm x 12mm. Each board has a square edged, smooth finish front side and sanded texture on the reverse. The 12mm is suited for ceiling, partition, internal walls, external walls and flooring.

All wall finishing’s are suited to be painted, tiled, wallpapered, stucco, laminate and rendered, and with flooring it can be finished with tiles, linoleum and carpet.

- **Painting.** The use of a sealer coat, preparation undercoat and sanding is strictly recommended prior to any application of paint. Always follow the paint manufacturer’s recommendations for paint suitability, mixing instructions and applications.
- **Wet areas.** The waterproofing requirements of all relevant codes, standards and regulations must be met. Waterproofing membranes according to manufacturer’s specifications and application methods must be consulted and complied with.
- **On order addition thicknesses available are 3mm, 4mm, 6mm, 8mm, 9mm, 10mm, 15mm, 18mm and 20mm. Each thickness has its own “Flexibility” tolerance to suit.**