

QUALITY STANDARDS AND TESTING/TECHNICAL DATA SHEET

MgO Board Factory

our mission is to create and manufacture world-class green building materials and innovative construction solutions, services and support to our customers to make this World a greener place to live for the generations to come.

What we do

MgO Board Factory is the first GCC-based manufacturer of high quality Magnesium Oxide Boards.

MgO Board is a newly developed, extensively tested modern building board used in construction. It is made from a mixture of magnesium oxide (MgO), non organic minerals, bonders and fibre mesh composites. MgO contains no formaldehyde, no asbestos and no toxic chemicals.

MgO Boards has extensive applications in construction for commercial and residential properties. It is also of particular interest to those renovating or repairing where either plasterboard gypsum style linings or other kinds of deteriorating high maintenance plasterboard & cement derivative products have been used.☒

Areas of Applications

Interior Partitions
Various finishing solutions
Covering materials for ceilings
Surface finishing solutions
Heat and moisture resistant work surfaces
Niches, boxes, arc elements, etc.
Wind boxes
Cable covers
Wet Areas
Ducting Insulation

Our commitments to Quality

- Best quality raw materials sourcing
- World-class industrial processes
- Automated production line
- Internal chemical department
- In-house testing laboratory
- Full Quality Assurance policy
- CSR and HSE compliance

HIGH QUALITY BENCH MARK

| S/NO. | TEST | STANDARD |
|-------|----------------------------------------------------------------|-----------------------------------|
| 1 | Density & Flexural Strength | ASTM C 1185 |
| 2 | Dimensions & Tolerances | ASTM C 1325; ASTM C 1186 |
| 3 | Moisture Movement | ASTM C 1186 |
| 4 | Water Absorption | ASTM C 1186 |
| 5 | Standard Test Method for Resistance to Growth of Mold & Mildew | ASTM D 3273 |
| 6 | Compression Indentation | ASTM C 1325 |
| 7 | Nail Head Pull-Through | ASTM C 1325 |
| 8 | Falling Ball Impact | ASTM C 1325 |
| 9 | Shear Bond Strength | ASTM C 1325 |
| 10 | Humidified Deflection | ASTM C 1396 |
| 11 | Surface Burning Characteristics | ASTM E 84 |
| 12 | Non-Combustible Construction | ASTM E136 |
| 13 | Underwriters Laboratory Fire Rating | UL263 & ASTM E119 |
| 14 | Xenon Arc Accelerated Weathering | ASTM G155 |
| 15 | Freeze/Thaw | ASTM C1185 |
| 16 | Structural Performance | ASTM E330, AC386 |
| 17 | Transverse Load | IAW AC376, ASTM E72 |
| 18 | Wet Racking Shear | IAW AC376, ASTM E72 Section 15.05 |

MgO Board Factory KSA

- Brand new 5,000 square meter factory
- Fully automated production line
- MgO experienced specialists
- In-house testing laboratory
- Air-conditioned curing area
- Automated sanding machinery
- Permanent stock
- 3 loading gates
- Integration and assembly workshop
- 1,000,000 square meter production per year



