



• MgO Board Introduction

Traditional magnesium oxide boards suffer from residual halogenation, which is the leading cause of metal corrosion, mold growth, strength degradation, and other issues, bringing significant troubles and potential hazards to construction projects.

Our company's MgO Board is developed based on traditional magnesium oxide boards with improved formulation. It uses high-strength, high-quality magnesium oxide and magnesium sulfate as the main raw materials, reinforced with fiber mesh, and filled with wood fibers and lightweight stable inorganic substances. Through rational formulation, scientific modification, mechanical pressing and curing, it is manufactured as a fire-resistant base board.

Massif MgO Board is 100% free from residual halogenation; it is a green eco-friendly material with zero formaldehyde and no radioactive gases.

Massif MgO Board 1 features superior performance and has passed the national Class A1 fire resistance test standard. It also provides excellent sound insulation. As an ideal fireproof and partition board, its strength and density can be customized according to customer requirements. It is easy to install—nailable and sawable, and can be laminated, painted, or transfer-printed.

It is the preferred material for building partitions, decorative fireproof base boards, floor base boards, flue boards, furniture lining boards, fire door core boards, purification boards, and more.



Length: 1220*2440mm、1220*2700mm、1220*3050mm
Thickness: 5-30mm



Surface classification:
non-woven board and sanded board

Color:
Regularly white, customizable in gray, yellow, red, etc

• MgO Board Experimental Photos



Class A1 fire resistance, tested and certified by the National Fire Protection Testing Center in Dujiangyan, suitable for applications including firewalls, cable fireproof partitions, automotive battery fireproof partitions, and more.



5mm thickness, excellent flexibility, suitable for curved modeling.



High flexural strength, not easy to break, and low damage during construction and handling.



Massif MgO Board 18mm: hanging capacity up to 90kg

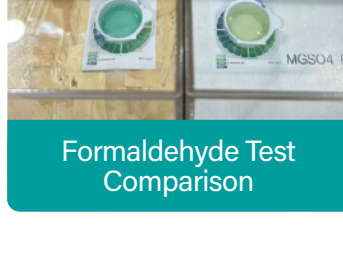
• MgO Board Comparison with OSB Board



Fire Performance Comparison



Insect Resistance Comparison



Formaldehyde Test Comparison

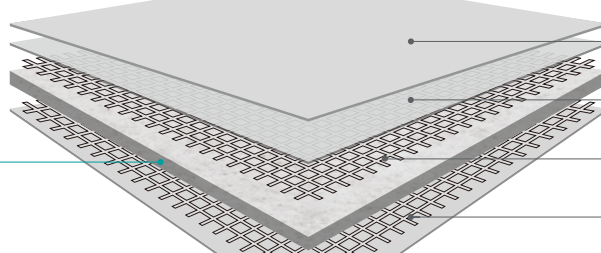


Comparison Before and After Water Immersion

• MgO Board Structure



Magnesium Oxide Mixture



Smooth Facial Surface

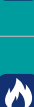
Non-woven Fabric

Fiberglass Mesh

Fiberglass Mesh

Non-woven Fabric

• MgO Board Parameters

 Environmental Performance	Smoke Toxicity: AQ1 Grade
 Combustion Performance	Non-combustibility: A1 Grade
 Mechanical Properties	Flexural Strength (MPa): ≥ 5 Holding Screw Force (N/mm): ≥ 20
 Physical Properties	Apparent Density: 0.95-1.15 g/cm ³ Anti-halogen Property: No water beads, no moisture reversion Chloride Ion Content: $\leq 1\%$, 100% no halogen reversion

• MgO Board Features



Environmental Protection



FIRE PREVENTION



SOUND INSULATION



MOISTURE-PROOF



HEAT INSULATION



IMPACT RESISTANCE



MOTH PROOF



Non-toxic



SAW



DRILL

• MgO Board Installation Display



• MgO Board Application Scenarios



Suitable for indoor use only, including fire-resistant partitions and base lining boards in hotels, office buildings, residences and other places. Customization is available according to customer requirements.

• MgO Board Case Studies

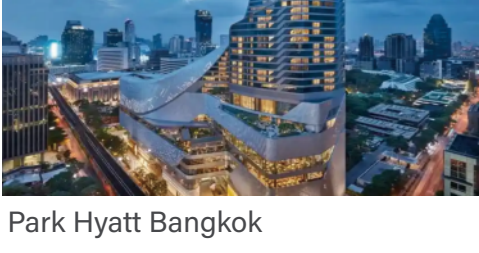
High-end Hotels



The St. Regis Dubai, ThePalm



Marina Bay Sands Singapore



Park Hyatt Bangkok

Business Office / Landmark Buildings



Petronas Twin Towers Annex



Shibuya Sky Business Hub

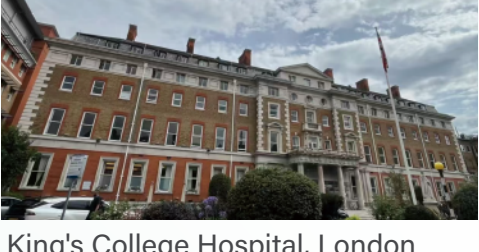


European Central Bank Headquarters

Medical & Health Care / Public Buildings



Singapore General Hospital New Wing



King's College Hospital, London



UTS New Academic Building

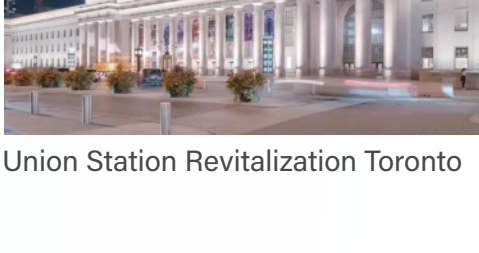
Complex / Cultural Buildings



Louvre Abu Dhabi



Sagrada Familia Visitor Center



Union Station Revitalization Toronto