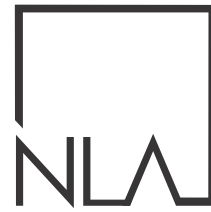




MAGNESIUM OXIDE BOARD MgO



LOTEX

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Wall panels



Floor panels

MgO (Magnesium Oxide) board is being increasingly used in

- * hospitals
- * low cost housing
- * partitioning
- * ceilings
- * cladding
- * flooring
- * building board
- * for exterior and internal use

Due to its fire-resistant, water-resistant, and mold/mildew-resistant properties, MgO is a very versatile product. It is also known for its acoustic and thermal insulation qualities, making it suitable for various applications in healthcare facilities and homes.



FIREPROOF



MOISTURE
RESISTANT



HEAT
RESISTANT



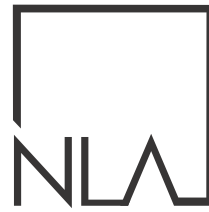
SOUND
INSULATION



TOXIN FREE
& HARMLESS



IMPACT
RESISTANT



LOTEX

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LOTEX MagBoard – Key Features

A1 Fire Rated – Non-combustible, offering superior fire resistance.

High Structural and Flexural Strength – Suitable for a variety of load-bearing and non-load-bearing applications.

Easy to Work With – Cuts cleanly and accurately with standard tools.

Excellent Fixability – Accepts nails and screws without cracking or splitting.

Paintable Surface – Can be finished with a wide range of coatings.

Environmentally Friendly – Non-toxic, recyclable, and low in embodied energy.

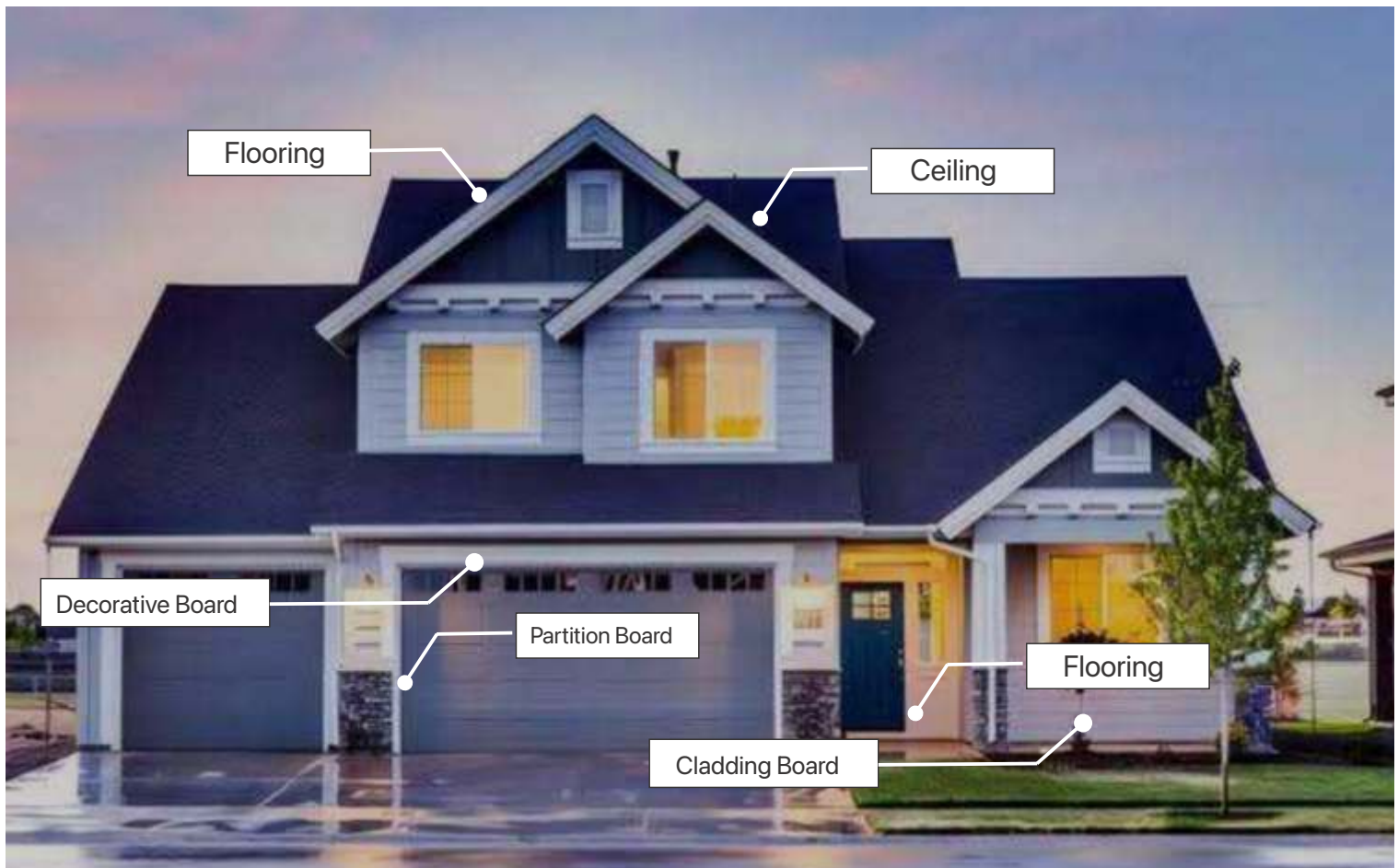
Versatile Applications – Suitable for both interior and exterior use.

Precise Thickness Tolerance – $\pm 0.5\text{mm}$ manufacturing tolerance.

Customisable Finishes – Can be laminated with melamine, foil, or veneer for decorative use.

Efficient Cladding Alternative – Eliminates the need for plastering, reducing installation time.

Accelerated Construction – Contributes to faster build times and cost savings.



MgO Board



Comparison Table: Gypsum Board vs Cement Board vs MgO Board

| Feature / Property | Gypsum Board (Drywall) | Cement Board | Magnesium Oxide Board (MgO) |
|--------------------------|--------------------------------|---------------------------------|---|
| Material Composition | Gypsum core with paper facing | Cement and reinforcing fibers | Magnesium oxide, chloride/sulfate, fibers |
| Weight | Light | Heavy | Medium |
| Moisture Resistance | Low (unless treated) | High | Very high (naturally water-resistant) |
| Mold & Mildew Resistance | Low (prone if wet) | High | Excellent |
| Fire Resistance | Good (non-combustible) | Excellent | Excellent (naturally fireproof) |
| Durability | Moderate | High | Very high |
| Installation | Easy; scores/snaps/cuts easily | Harder; needs special tools | Cuts with carbide tools; easier than cement |
| Uses | Interior walls/ceilings | Wet areas (bathrooms, kitchens) | Versatile: walls, ceilings, exteriors |
| Finish Compatibility | Paint, wallpaper | Tile, paint | Paint, tile, render, cladding |
| Cost | Low | Moderate | Higher (but competitive) |
| Environmental Impact | Moderate | High (cement production) | Low (eco-friendly, low CO ₂ ,) |
| Acoustic Insulation | Moderate | Good | Very good |
| Termite/Pest Resistance | Low | Good | Excellent |
| Longevity / Lifespan | Moderate | Long | Very long |
| Corrosion Potential | None | Can corrode metal if wet | Can corrode if chloride-based; sulfate better |

Cement Board



Gypsum Board

