



**PERFORMANCE
BUILDING
SOLUTIONS**



MX7

Next-Generation Insulated Structural Exterior Sheathing

MX7 is a dual-layer structural exterior sheathing combining a mineral magnesium oxide (MgO) board with integrated EPS insulation.

MX7 delivers structural capacity, fire protection, thermal performance, and moisture control in a single product, eliminating the complexity, cost, and labor associated with traditional wall assemblies.



Learn how the MX7 board works

Interior Layer: EPS Thermal Core

- Continuous insulation creates a true thermal break
- Reduces thermal bridging through steel, concrete, or wood framing
- Acts as an air and moisture barrier
- Adjustable R-values to meet climate requirements
- Treated to protect against termites and other pests

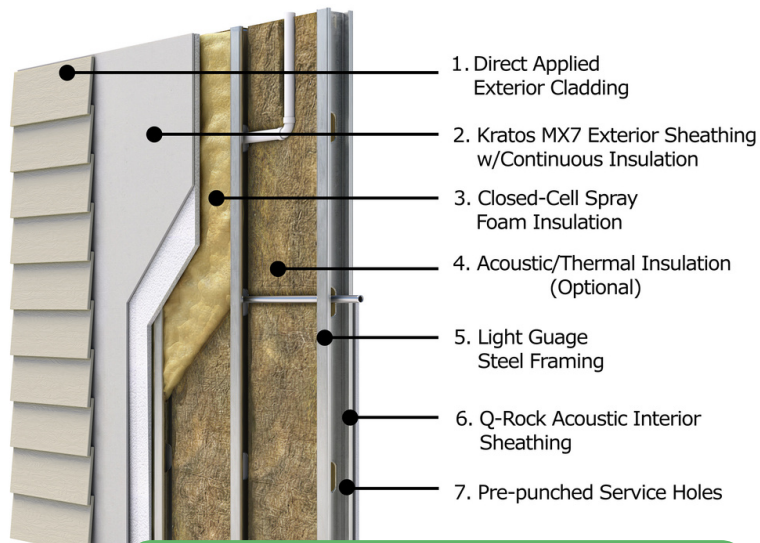
Exterior Layer: MgO Structural Board

- Non-combustible, inorganic mineral composition
- Provides impact resistance, structural shear, racking resistance, and fastener pull-through and pull-out
- Fire-rated performance suitable for 1- and 2-hour assemblies
- Moisture-resistant, mold-resistant, rot-resistant

MX7 consolidates:

- Structural sheathing
- Fire protection
- Continuous insulation
- Air & water barriers

Fewer layers
Fewer trades
Fewer failure points



Compatible with Steel, Wood & Concrete/CMU Framing

See Our Key Performance Advantages

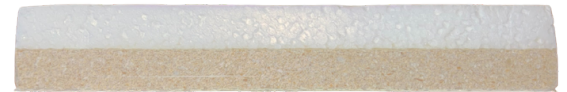
Enhanced Durability	Fire Resistance	Environmental Sustainability
100% inorganic - No rot, mold, mildew, or insects - Abuse/Impact-resistant	- Non-combustible mineral sheathing - Superior fire performance vs wood-based panels	- Low-carbon MgO mineral panel - Reduced material waste - Reduced material usage, fewer materials
Enhanced structural capacity	Economic Efficiency	Energy Conservation
- Shear + diaphragm performance - High impact resistance - Long-term dimensional stability	- Faster installation - Lower total cost of ownership (TCO)	- Integrated thermal break - Improved envelope efficiency

Compare Exterior Sheathing Options

Feature	Wood	CMU Block	MX7
Fire Rating	✗	✓	✓
Moisture Resistance	✗	⚬	✓
Thermal Break	✗	✗	✓
Termite/Insect Resistant	✗	✓	✓
Dimensionally Stable	✗	✗	✓



*Picture of a sample of actual MX7 Panel
Patent Pending |
Made in USA



Category	Traditional Wood Sheathing (OSB / Plywood / Zip)	CMU / Concrete Block	MX7
Combustibility	Highly combustible	Non-combustible	Non-combustible mineral sheathing
Fire Rating	No inherent fire rating	Inherently fire resistant	Suitable for 1- and 2-hour fire-rated assemblies
Moisture Resistance	Absorbs water, swells, delaminates	Partial, absorbs moisture over time	Moisture-proof, inorganic, no swelling
Mold / Mildew	Supports mold and fungus	Low risk, but possible in porous block	Fully inorganic — mold-resistant
Termites / Insects	Vulnerable	Resistant	Insect and termite resistant
Durability	Degrades over time	Durable but prone to cracking	Long-term stability, no rot
Impact Resistance	Low to moderate	High	High-impact exterior-grade surface
Air & Water Barrier	Requires additional wraps	Requires additional wraps and coatings	Integrated impermeability — no need for extra building wrap
Thermal Bridging	No thermal break	No thermal break, high thermal mass	Integrated Continuous Insulation layer (Thermal Break)
Energy Efficiency	Low	Low without added insulation	Enhanced envelope performance
Thermal Conductivity	K-value: ~0.80 Btu-in/hr-ft ² ·°F	High, poor insulator without additions	K-value: 0.43 Btu-in/hr-ft ² ·°F
Resistance To Heat Flow	R-value/Inch @ ~1.25	R-value/Inch @ ~0.2	R-value/Inch @ ~4 to 5
Structural Capacity	High	High	High
Environmental Profile	High carbon footprint (wood, adhesives, resins)	High carbon footprint, concrete production	Low-carbon footprint - Magnesium mineral panel
Longevity	Limited, dependent on maintenance	Long life but maintenance dependent	Long service life — inorganic materials
Installation	Multiple layers required	Labor intensive, slow curing, multiple trades	Single high-performance panel replaces multiple layers
Cost Over Time	Higher maintenance + replacements	High, labor, maintenance, energy costs	Lower TCO (Total Cost of Ownership)

Make The Switch To MX7 Today!

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