



Omni Block

AN INSULATED CONCRETE BLOCK

Omni Block is an insulated “stand-alone” structural wall system. It does not require furring, additional insulation, or sheetrock to complete the wall, even though numerous finishes (including sheetrock) may be added for aesthetic purposes.

Omni Block is a patented insulated cementitious masonry unit (CMU) that combines the benefits of indigenous aggregates, the physical property of thermal lag (the delay, disruption and redirection of heat flow), exposed thermal mass (the absorption and storage of heat), thermal flywheel effect (the recycling and release of heat), air tightness, and Expanded Polystyrene (EPS) to achieve a low U-Factor or high R-value. This results in a thermally efficient wall system, all of which are consistent with well-known and widely accepted thermal performance concepts.

Omni Block is an ideal masonry product for any climate controlled building including but not limited to:

Commercial Buildings

- Retail Stores
- Office Buildings
- Restaurants
- Warehouses
- Manufacturing Plants
- Cold Storage Rooms
- Livestock Facilities
- Industrial Facilities

Institutional Facilities

- Hospitals
- Schools
- Nursing Homes
- Assisted Living Facilities
- Day Care Centers
- Museums
- Gymnasiums
- Military Barracks

Residential Homes

- Single-Family Houses (From Basements to the Highest Wall)
- Condominiums
- Townhouses (Including Partition Walls)



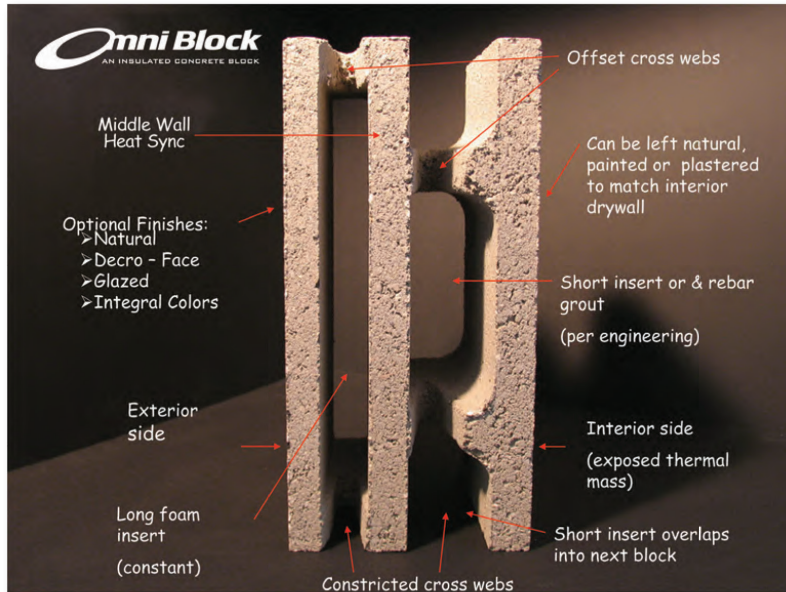
**Three layers of masonry
Two layers of EPS foam inserts**



**Four layers of masonry
Three layers of EPS foam inserts**



Block finish options



8" and 10" Omni Block have three layers of masonry and two layers of EPS foam inserts. 12" Omni Block has four layers of masonry and three layers of EPS foam inserts. This design delays the thermal transfer by inhibiting heat flow. The middle lineal wall(s) effectively becomes a "heat sink" and routinely stores heat.

Structural test results conducted on the block demonstrate that Omni Block is typically 33% stronger than standard CMU block. Omni Block may be polished, scored, split, stained, and or covered with any veneer just like any other block.

Omni Block Advantages

- Lower construction costs
- Lower utility costs
- Lower maintenance costs
- Higher durability
- More fire resistant
- More wind resistant
- More pest resistant
- More sound resistant
- More mold resistant



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