

# Thermal Brick

The 6x6x24 concrete block is high strength, low cost, energy efficient, and elegant.

Concrete is inorganic and is therefore mold proof, fire proof, termite proof, and impervious to water damage.

Engineering designs a "thermal maze" to prevent the direct transfer of heat through the block.

The offset cross-webbing create two thermal stopping 90 degree angles that extend the thermal path of the 6 inch block to 12 inches.

The "Thermal maze" effects are doubled by reducing the cross-web height by 50 percent, further restricting the flow of heat travel through only half the block.

The block is filled solid with one of two types of insulation. Standard EPS insulation inserts or high performance injected polyurethane foam. Energy efficient "R" values range from 22 to 30.

The reduced cross-webbing allows easy horizontal placement of steel rebar, electrical conduit, and plumbing. Note: Plumbing has never been recommended in any exterior wall system.

For maximum strength the block systems are engineered with steel rebar and concrete reinforcement grids inside the block. Advanced post-tension systems are also available.

For maximum electrical protection the block systems are designed to receive electrical wires through commercial grade conduit and steel junction boxes inside the block itself, offering three layers of protection, plastic, steel, and concrete.

