

GYPSUM BOARD

The Fire-Resistant Alternative To Masonry



If you are a building

Owner ...

Insurer ...

Lender ...

Designer ...

Contractor ...

Look inside to see why using
FIRE-RESISTIVE GYPSUM
BOARD SYSTEMS
is a wise alternative to concrete blocks.

CHARACTERISTICS OF GYPSUM BOARD SYSTEMS

Variety Of Systems Available:

- Area Separation Walls
- Shaft Walls
- Cavity Walls
- Solid Walls

Code Acceptance:

- Meets BOCA, ICBO, and SBCCI Code requirements for shaft walls, area separation walls, fire walls, party walls, and townhouse separation walls

Fire-Resistance:

- Fire-resistance ratings up to four hours
- Fire-resistive as tested in accordance with ASTM E 119 or CAN/ULC-S101-M
- Third-party inspected and labeled
- Acceptable for use in noncombustible construction



Sound Attenuation:

- High degree of sound isolation
- STC ratings up to 64 when tested in accordance with ASTM E 90



Public Acceptance:

- Universally accepted in apartments, condominiums, townhomes, and commercial structures
- Environmentally friendly and easy to recycle (Contact the Gypsum Association for alternative disposal methods for waste gypsum board.)

Physical Properties:

- Gypsum board is manufactured in accordance with ASTM standards
- Complies with all ASTM standards for technical properties such as flexural strength, nail pull, edge hardness, etc.

MONEY-SAVING FEATURES OF GYPSUM BOARD

Economical, Faster, And More Efficient Installation:

- Inexpensive and readily available materials
- Permit design flexibility
- Dry construction techniques - not wet like masonry's mortar
- No cold weather delays to wait for mortar to dry and attendant work stoppage during the "curing" time, thus ending costly construction problems
- Free technical assistance from manufacturers and trade association
- Large size panels install quickly to reduce construction time
- Easily accepts wide variety of decorative finishes



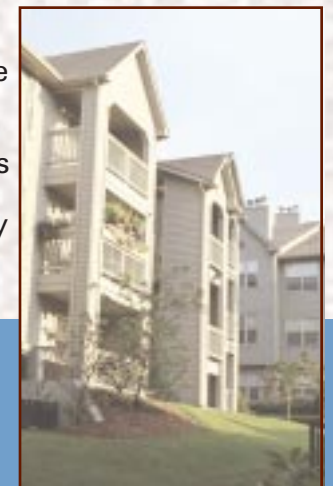
Weigh Less Than Masonry Units:

- Easier to handle than concrete blocks
- Less extensive structural requirements than masonry, thus reducing material and construction costs for footings
- Shaftwall and stairwell designs ease high rise construction
- Scaffolding requirements minimized
- Temporary bracing and support systems eliminated
- Easily installed on light-weight steel or wood framing

OTHER ADVANTAGES OVER MASONRY

Quality Assurance:

- All gypsum board manufacturers participate in a third-party in-plant inspection and labeling program, such as Underwriters Laboratories, Factory Mutual, Omega Point Laboratories, ITS (formerly Warnock Hersey), etc.
- Each fire-rated system published by the Gypsum Association is supported by industry fire tests
- Adaptable to meet a large variety of commercial construction needs: fire walls, fire separation walls, fire partitions, shaft enclosures, etc.
- Fewer trades required
- Installed quickly and easily by professional installer
- Installed one floor at a time to coincide with construction schedules
- Thinner wall profiles allow more usable space than masonry blocks



GYPSUM