

Section 092900 Gypsum Board American Gypsum Company Textbook

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When it comes to reliable, high-quality drywall solutions, the American Gypsum Company stands out as a leading manufacturer specializing in Section 092900 Gypsum Board. Known for its commitment to innovation, durability, and sustainability, American Gypsum provides an extensive range of gypsum board products designed to meet the diverse needs of construction professionals, architects, and homeowners alike. This article offers a comprehensive overview of Section 092900 Gypsum Board, exploring its features, applications, benefits, and why American Gypsum Company remains a preferred supplier in the industry.

Understanding Section 092900 Gypsum Board

What Is Section 092900 Gypsum Board?

Section 092900 refers to a specific classification within the Construction Specifications Institute (CSI) MasterFormat system, denoting gypsum board products. Generally, this section covers various types of drywall, including standard, fire-resistant, moisture-resistant, and specialty panels.

The Section 092900 Gypsum Board from American Gypsum encompasses a broad spectrum of drywall products designed for different applications, ensuring compliance with building codes, safety standards, and environmental regulations.

Key Features of American Gypsum's Gypsum Board Products

- High-quality Materials: Made from premium gypsum core encased in durable paper facings.
- Fire Resistance: Many products are formulated with fire-resistant properties to enhance building safety.
- Moisture & Mold Resistance: Specialized boards designed to withstand humid environments.
- Soundproofing Capabilities: Options available for sound attenuation.
- Ease of Installation: Lightweight and easy to handle, reducing labor time.
- Sustainable & Eco-Friendly: Recyclable materials with environmentally conscious manufacturing processes.

Types of Gypsum Board Offered by American Gypsum

American Gypsum's product portfolio includes a variety of gypsum boards tailored to specific construction needs:

1. Standard Gypsum Board

- Used for general interior wall and ceiling applications.
- Features smooth finish surfaces suitable for painting or wallpapering.
- Available in various thicknesses (usually 1/2", 5/8").

2. Fire-Resistant Gypsum Board

- Also known as Type X drywall.
- Incorporates non-combustible fibers to increase fire resistance.
- Used in fire-rated assemblies, such as corridors and stairwells.

3. Moisture-Resistant Gypsum Board

- Often referred to as "Green Board".
- Designed for areas prone to moisture but not direct water contact.
- Ideal for bathrooms, kitchens, and basements.

4. Mold-Resistant Gypsum Board

- Contains mold inhibitors integrated into the core or facing.
- Suitable for humid environments to prevent mold growth.

5. Specialty Gypsum Boards

- Acoustic panels for soundproofing.
- Impact-resistant panels for high-traffic areas.
- Exterior or veneer boards for outdoor applications.

Applications of Section 092900 Gypsum Board

Understanding where and how American Gypsum's gypsum board products are used helps in selecting the right product for each project:

Residential Construction

- Interior walls and ceilings.
- Basement finishing.
- Fire-rated partitions.

Commercial Buildings

- Office partitions.
- Gyms and recreational facilities.
- Hospitals and healthcare facilities, requiring fire and moisture-resistant panels.

Industrial & Institutional

- Warehouses and manufacturing plants.
- Schools and universities.
- Government buildings.

Exterior & Specialty Uses

- Exterior sheathing (with appropriate weather-resistant coatings).
- Soundproof partitions.
- Impact-resistant surfaces.

Benefits of Using American Gypsum's Gypsum Board

Choosing the right gypsum board is essential for ensuring safety, durability, and aesthetic appeal. American Gypsum's products offer numerous advantages:

1. Enhanced Safety

- Fire-resistant options help contain fires and protect occupants.
- Mold-resistant panels improve indoor air quality.

2. Cost-Effective & Efficient

- Lightweight panels reduce labor and installation costs.
- Wide range of sizes and types minimizes waste.

3. Sustainability

- Made from recycled gypsum and paper facings.
- Manufactured with environmentally friendly processes.
- Recyclable at the end of their lifespan.

4. Superior Performance

- Designed for durability and long-lasting finish.
- Compatible with various wall systems and finishes.

5. Compliance & Certification

- Meets or exceeds ASTM standards.
- Certified for LEED and other green building initiatives.

Why Choose American Gypsum Company?

American Gypsum has established a reputation for excellence in the drywall industry due to several key factors:

1. Industry Experience & Reliability

- Over 60 years of expertise in gypsum manufacturing.
- Consistent product quality and supply chain reliability.

2. Innovation & Product Development

- Continually invests in R&D to improve product performance.
- Offers specialty products tailored to emerging needs.

3. Commitment to Sustainability

- Focused on reducing environmental impact.
- Supports green building standards and certifications.

4. Extensive Distribution Network

- Wide availability across North America.
- Efficient logistics ensuring timely delivery.

5. Customer-Centric Approach

- Technical support and training.
- Custom solutions to meet project specifications.

Installation & Handling of Gypsum Board

Proper installation of Section 092900 Gypsum Board is vital for achieving optimal performance and safety. American Gypsum recommends following these guidelines:

- Use appropriate fasteners and tools.
- Ensure surfaces are clean, dry, and level.
- Install fire-resistant or moisture-resistant panels in designated areas.
- Maintain proper joint treatment and finishing.
- Follow manufacturer's instructions for specific product types.

Maintenance & Durability

Gypsum boards from American Gypsum are designed for longevity, but proper maintenance enhances their lifespan:

- Regular inspection for cracks or damage.
- Prompt repair of holes or impact marks.
- Use of appropriate paints and finishes.
- Avoid excessive moisture exposure unless using moisture-resistant panels.

Conclusion: The Future of Gypsum Board with American Gypsum

American Gypsum Company continues to lead the industry by providing innovative, durable, and

sustainable Section 092900 Gypsum Board products. As building standards evolve and the demand for environmentally responsible materials increases, American Gypsum remains committed to delivering products that meet the highest standards of safety, performance, and sustainability.

Whether for residential, commercial, or industrial projects, choosing American Gypsum's gypsum board ensures a quality finish that stands the test of time. With their extensive product range, superior customer support, and dedication to innovation, American Gypsum is the trusted partner for all your drywall needs.

Keywords:

Section 092900 Gypsum Board, American Gypsum Company, drywall, fire-resistant drywall, moisture-resistant drywall, drywall installation, sustainable drywall, gypsum board types, commercial drywall, residential drywall, gypsum board applications

Section 092900 Gypsum Board American Gypsum Company

The construction industry continually seeks innovative, durable, and sustainable materials to enhance building performance and safety. Among these, gypsum board—commonly known as drywall—stands out as a fundamental component in interior wall and ceiling systems. The Section 092900 Gypsum Board, produced by the American Gypsum Company, exemplifies the company's commitment to quality, safety, and environmental responsibility. This section delves into the comprehensive aspects of American Gypsum's gypsum board offerings, exploring their specifications, manufacturing processes, applications, and industry significance.

Introduction to Gypsum Board in Construction

Gypsum board is a versatile, lightweight panel made primarily from a core of gypsum plaster encased in a paper facing. Its widespread use in commercial, residential, and institutional buildings underscores its importance. Gypsum board provides an effective solution for interior wall and ceiling finishes, offering benefits such as fire resistance, sound attenuation, ease of installation, and cost efficiency.

The American Gypsum Company has established itself as a leading manufacturer of gypsum products in North America, with a reputation built on consistent quality and innovation. Their gypsum board products, particularly those categorized under Section 092900, cater to a broad spectrum of construction needs, emphasizing performance characteristics like fire resistance, moisture resistance, and structural integrity.

Overview of American Gypsum Company

Company Background and Market Position

Founded in 1930, American Gypsum Company has a longstanding history in the drywall industry. Headquartered in Dallas, Texas, the company operates several manufacturing plants across the United States, producing a wide array of gypsum wallboard products. Its strategic emphasis on innovation, sustainability, and customer service has positioned it as a major player in the North American construction materials market.

American Gypsum's product lines include standard drywall, moisture-resistant panels, fire-rated boards, soundproofing solutions, and specialty panels. Their commitment to quality assurance and adherence to building codes ensures their products meet or exceed industry standards.

Commitment to Sustainability

In recent years, sustainability has become a core element of American Gypsum's operational philosophy. The company emphasizes environmentally responsible manufacturing processes, including energy-efficient production, waste reduction, and the use of recycled materials. Many of their gypsum boards carry certifications such as GREENGUARD Gold and adhere to LEED (Leadership in Energy and Environmental Design) credits, making them suitable for green building projects.

Section 092900: Gypsum Board Specifications and Standards

Scope of Section 092900

Section 092900 encompasses a comprehensive set of specifications for gypsum board products manufactured and supplied by American Gypsum. This section includes various types of drywall panels designed to meet diverse construction requirements, from standard interior partitions to specialized fire- and moisture-resistant assemblies.

Key aspects covered under this section include:

- Product descriptions and classifications
- Material properties and performance criteria
- Installation guidelines and accessories
- Testing standards and certifications
- Quality assurance procedures

Product Classifications and Types

American Gypsum offers an extensive portfolio of gypsum board products categorized based on their core composition, facing materials, and intended applications:

- Regular Gypsum Board: Standard panels suitable for most interior wall and ceiling applications.
- Type X Fire-Rated Gypsum Board: Enhanced fire resistance, typically rated for 1, 2, or 3 hours, used in fire-rated assemblies.
- Moisture-Resistant Gypsum Board: Featuring a water-resistant core, ideal for humid environments like bathrooms and kitchens.
- Soundproof Gypsum Board: Designed with enhanced sound attenuation properties for spaces requiring acoustic control.
- Type C Gypsum Board: Provides improved fire resistance and durability, often used in high-heat or high-humidity environments.
- Other Specialty Panels: Including mold-resistant, impact-resistant, and lightweight variants to address specific construction needs.

Each type conforms to testing standards such as ASTM C1396 (Standard Specification for Gypsum Board), ensuring consistency and reliability.

Performance Characteristics

American Gypsum's gypsum boards are engineered to meet key performance benchmarks:

- Fire Resistance: Type X and Type C panels contain non-combustible components that slow the spread of fire, crucial for code compliance and safety.
- Moisture Resistance: The moisture-resistant variants feature a water-repellent core and are often used in areas prone to humidity.
- Sound Attenuation: Certain panels incorporate additional mass or specialized facings to improve soundproofing.
- Durability: Impact-resistant panels are reinforced for high-traffic or commercial applications.
- Environmental Impact: Many products incorporate recycled content and are manufactured with eco-friendly processes.

Manufacturing Processes and Quality Control

Production Overview

American Gypsum's manufacturing facilities utilize state-of-the-art processes to produce gypsum board that adheres to strict quality standards. The core manufacturing involves:

- **Gypsum Core Preparation:** Natural or synthetic gypsum is heated and calcined to produce calcium sulfate dihydrate, which is then mixed with additives for desired properties.
- **Forming and Molding:** The slurry is poured onto paper facings, formed into panels, and passed through continuous dryers.
- **Drying and Cutting:** Excess moisture is removed via large, energy-efficient dryers, and panels are cut to standard sizes, typically 4x8, 4x10, or 4x12 feet.
- **Edge and Surface Treatment:** Edges are shaped, and surfaces are smoothed or textured depending on product specifications.

Quality Assurance and Testing

American Gypsum employs rigorous quality control protocols to ensure product consistency:

- **Material Testing:** Raw materials are tested for purity, moisture content, and physical properties.
- **In-Process Inspection:** During manufacturing, panels are monitored for dimensions, surface quality, and core integrity.
- **Final Testing:** Finished panels undergo testing for fire resistance, moisture resistance, sound attenuation, and impact strength.
- **Certifications:** Products are certified by ASTM, UL, and other relevant bodies, providing assurance of compliance with safety and performance standards.

These processes enable the company to deliver drywall products that meet or exceed industry expectations.

Applications and Use Cases

Residential Construction

In homes, American Gypsum's drywall is used extensively for interior walls, ceilings, and decorative finishes. Moisture-resistant panels are common in kitchens and bathrooms, while standard panels serve in living rooms and bedrooms.

Commercial and Institutional Buildings

Commercial spaces benefit from fire-rated and impact-resistant panels, especially in corridors, emergency exits, and high-traffic areas. Soundproof drywall is also favored in conference rooms, auditoriums, and hospitals to ensure acoustic privacy.

Industrial and Specialized Uses

In industrial settings, heavy-duty or impact-resistant panels provide durability against mechanical wear. Additionally, mold-resistant and moisture-resistant products are critical in environments with high humidity or potential water exposure.

Green Building Projects

With their environmentally friendly profiles, American Gypsum's gypsum boards contribute to LEED credits, making them suitable for sustainable building certifications.

Industry Impact and Competitive Edge

Standards and Compliance

American Gypsum's adherence to ASTM, UL, and other standards ensures their products are reliable and widely accepted in building codes. Their fire- and moisture-rated products are particularly valued in safety-critical applications.

Innovation and Product Development

The company invests in R&D to develop new products that address emerging construction trends, such as lightweight panels, mold-resistant formulations, and environmentally sustainable options. This proactive approach maintains their competitive advantage in a dynamic market.

Customer Support and Technical Assistance

American Gypsum provides comprehensive technical support, installation guidance, and training to architects, contractors, and builders, facilitating proper application and maximizing product performance.

Conclusion: The Significance of Section 092900 Gypsum Board

The Section 092900 Gypsum Board American Gypsum Company exemplifies the intersection of quality manufacturing, safety standards, and innovative product development. As buildings become more complex and sustainability concerns grow, the role of high-performance drywall products becomes increasingly vital. American Gypsum's extensive product range, backed by rigorous quality control and environmental responsibility, positions it as a leader in the industry.

Their gypsum boards not only meet the structural and aesthetic demands of modern construction but also contribute to safer, more sustainable, and more efficient buildings. Whether in residential, commercial, or specialized projects, the products under this section demonstrate how thoughtful material selection can impact overall building performance and occupant well-being.

In an industry where safety, durability, and environmental impact are paramount, American Gypsum's commitment to excellence makes their Section 092900 gypsum board a cornerstone of contemporary construction practices.

Question What are the key features of Section 092900 Gypsum Board by American Gypsum Company? **Answer** Section 092900 Gypsum Board by American Gypsum Company highlights high-quality drywall products designed for durability, fire resistance, and ease of installation, tailored for various commercial and residential applications. How does American Gypsum Company's gypsum board compare to other brands in terms of fire resistance? American Gypsum's gypsum boards are engineered with fire-resistant cores and are compliant with UL fire ratings, often surpassing industry standards to provide enhanced safety in building design. What types of gypsum board are specified under Section 092900 for different applications? Section 092900 includes various types such as standard drywall, fire-rated, moisture-resistant, and mold-resistant gypsum boards, suitable for diverse interior wall and ceiling applications. Is American Gypsum's gypsum board compliant with current building codes? Yes, American Gypsum's gypsum boards meet or exceed all relevant ASTM, UL, and building code requirements, ensuring safety and compliance for construction projects. What installation guidelines are recommended for American Gypsum's gypsum board? Installation should follow American Gypsum's specified procedures, including proper fastening, joint treatment, and finishing techniques to ensure optimal performance and durability. Are there environmentally friendly options available within American Gypsum's gypsum board products? Yes, American Gypsum offers environmentally friendly options such as low-VOC emitting boards and products made with recycled content, supporting sustainable building practices. What are the benefits of using American Gypsum's gypsum board in commercial construction? Benefits include high durability, fire resistance, ease of installation, and availability of specialized products like moisture and mold-resistant boards, enhancing safety and efficiency. How does American Gypsum ensure the quality and consistency of their gypsum boards? American Gypsum employs strict manufacturing controls, quality assurance testing, and certifications to ensure consistent product quality across all batches. Where can contractors and builders source American Gypsum's Section 092900 gypsum board? American Gypsum's products are available through authorized distributors and building material suppliers nationwide, with technical support available from the company's customer service team.

Related keywords: gypsum board, drywall, wall panels, interior wall finishing, American Gypsum, building materials, construction supplies, gypsum wallboard, partition walls, drywall accessories