



High Museum of Art at the Woodruff Arts Center

Atlanta, Georgia

Owner

High Museum of Art

Architectural Team

Renzo Piano Building Workshop
& Lord, Aeck and Sergent, Inc.

General Contractor

Skanska/H. K. Russell
Joint Venture

Fabricator

Casting Designs, Inc.

Installation Contractor

The Circle Group



* Information presented in this project profile is for illustration purposes only. Please consult the appropriate system manufacturer or design authority for system specifications and instructions for any specific system or assembly. Georgia-Pacific Gypsum does not provide roofing design services.



Densite® HL from Georgia-Pacific Gypsum on Display at Atlanta's High Museum of Art*

When visitors come to the newly expanded High Museum of Art at the Woodruff Arts Center in Atlanta, Georgia, they may have trouble keeping their eyes on the art. That's because the museum's architecturally impressive ceiling, sculpted entirely of Georgia-Pacific Gypsum's Densite® HL plaster with fiberglass reinforcement (GRG) is worthy of equal attention.

The ceiling, designed by architects Lord, Aeck and Sergent, Inc., in collaboration with Renzo Piano Building Workshop, consists of 1000 individual dome-shaped coffers each with a skylight positioned atop an oculus to capture the soft, northern light. The 177,000 sq.ft. expansion has doubled the museum's size to include, new educational and research facilities, dining and shopping, and most importantly, new galleries for the Center's expanding collection of artwork.

Casting Designs, Inc. fabricated the coffer and oculus GRG design at their Ft. Worth, Texas facility. Fabricators worked four months to construct over 3,026 individual pieces for the Woodruff project. Each 4' x 4' piece is made completely of Densite HL GRG, hand-laid in fiberglass moulds. Completely cured, each piece weighs only 100 lbs. and has an expected compressive strength of about 7,800 PSI.

CDI, which has been in business for over 16 years, uses Densite HL exclusively for all GRG applications. When asked why they prefer Densite HL over other GRG products, Bob Dix, production manager, replied, "Georgia-Pacific Gypsum wants to satisfy its customers. And our contractors are extremely satisfied with its quality and installation properties."

Densite HL is an exceptional product for use in decorative GRG architectural applications such as the Woodruff Arts Center. It is produced from high strength, high density, alpha-based hemihydrates. When combined with glass fiber mats (hand lay-up) or chopped glass fiber strands (spray application), it creates thin, lightweight and durable shapes with ultra-smooth surfaces. Its light weight and high compressive strength make it ideal for ceiling applications and other places where weight is a factor.

In addition to aesthetic benefits, Densite HL's acoustical properties also add to its desirability. "In the Woodruff project, it was necessary to use a product that provided the resonance typically desired in this type of venue. The smooth finish

continued

and high density of Densite® HL helped meet those specifications,” states Brian Roemer, general sales manager with Georgia-Pacific Gypsum’s Industrial Group.

Densite HL GRG systems install with minimal field labor using standard drywall techniques. Its superior fire-retardant properties allow for safe, installation in all types of public and private structures.

U.S.A. – Georgia-Pacific Gypsum LLC
Canada – Georgia-Pacific Canada LP

Sales Information & Order Placement

U.S.A. Midwest: **1-800-876-4746**
West: **1-800-824-7503**
South: **1-800-327-2344**
Northeast: **1-800-947-4497**

CANADA Canada Toll Free: **1-800-387-6823**
Quebec Toll Free: **1-800-361-0486**

Technical Information

Georgia-Pacific Gypsum Technical Hotline
U.S.A. and Canada: **1-800-225-6119**
www.gpgypsum.com



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CAUTION For product fire, safety and use information, go to www.gp.com/safetyinfo or call 1-800-225-6119.

HANDLING AND USE—CAUTION Heat develops as the product hardens (rehydrates) and may cause serious burns resulting in possible permanent injury. After mixing with water, do not allow prolonged contact with skin until the product has completely hardened and cooled.

Mixing or sanding this product after drying may generate dust which can irritate eyes, nose, throat, skin and upper respiratory tract. Use wet sanding to minimize dust generation and always maintain proper ventilation in the work area. Avoid breathing dust and minimize contact with skin and eyes. Wear long sleeve shirts, long pants and eye protection. Use a dust mask or NIOSH/MSHA approved

respiratory protection during mixing dry materials, while sanding and during clean-up as appropriate. For Material Safety Data Sheet or additional information, call 1-800-225-6119 or go to www.gpgypsum.com.

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