



Kauffman Center for the Performing Arts

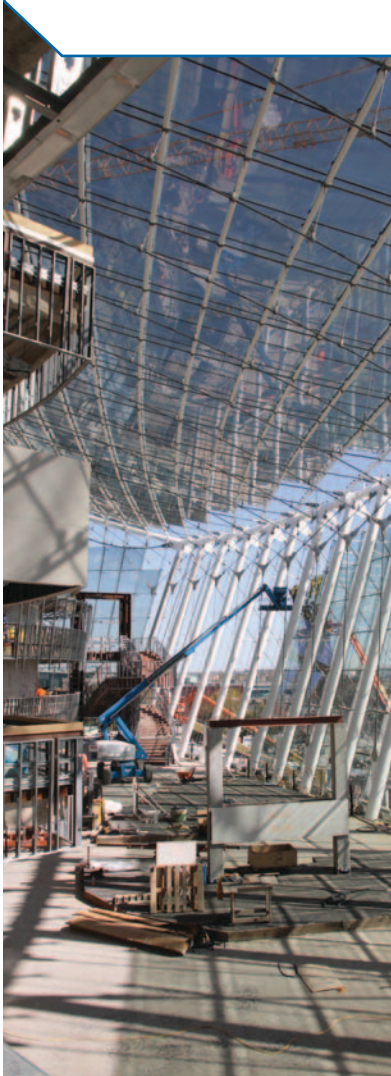
Kansas City, Missouri

Subcontractor

Performance Contracting, Inc.

Distributor

Rew Materials



Finding the Rhythm: Scheduling Benefits of Georgia-Pacific Gypsum Products Contribute to the Successful Build of the Kauffman Center for the Performing Arts

In addition to being a stunning addition to the Kansas City skyline, the soon to be opened Kauffman Center for the Performing Arts is a great example of using modern building techniques and products to deliver a world-class facility.

The Kauffman Center for the Performing Arts is not only the future home of the Kansas City Ballet, the Lyric Opera and the Kansas City Symphony, the center will also serve as a cultural arts hub in Kansas City, hosting diverse arts acts including local and global performers.

The Kauffman Center for the Performing Arts is comprised of two separate performance spaces, a 1,800-seat theater and a 1,600-seat hall. The whole facility is nearly 285,000 square feet and precisely designed to provide the best acoustical experience modern technology can offer.

The main challenge of building two separate facilities housed within the same structure was building both isolated spaces before the steel dome was erected. In order to help face this challenge, Performance Contracting Inc., a leading commercial contracting company, elected to use Dens® Brand gypsum products from Georgia-Pacific Gypsum. The Dens Brand gypsum panels were selected due to the unique mold- and moisture-resistant advantages due to fiberglass facings instead of paper facings.

Saving Time with Georgia-Pacific Gypsum

The multi-layered exterior shell of the Kauffman Center for the Performing Arts is not just aesthetically pleasing – it was built for acoustical performance. Due to the precision and technical nature of the building, work began on the two performance spaces that are enclosed within the structure prior to the assembly of the “bumps,” as the shapes in the steel structure are known, which were shaped precisely prior to construction. Performance Contracting Inc. (PCI) knew that they could count on Georgia-Pacific Gypsum products for such a challenging assignment.

“Since we started building the interior spaces before the exterior shell was built, we needed a product that could withstand the elements in order to stay on schedule for the September 2011 target opening date,” said Ryan Crist, LEED AP, Project Engineer, PCI.

DensArmor Plus® High-Performance Interior Panels were chosen for the interior walls not only for their durability and strength, but also because of their ability to be installed prior to the building being dried in. This proved advantageous during scheduling, as workers were able to install walls without having to fear weather exposure. Georgia-Pacific Gypsum offers a 12-month weather exposure limited

continued

Georgia-Pacific Gypsum products used in the Kauffman Center for the Performing Arts:

82,000

square feet

of DensArmor Plus®

High-Performance
Interior Panels

90,000

square feet

of DensGlass®

Shaftliner

35,000

square feet

of DensGlass®

Sheathing

20,000

square feet

of DensShield®

Tile Backer

warranty* against delamination and deterioration resulting from exposure to normal weather conditions, which means DensArmor Plus® panels can be hung before installing doors and windows.

DensGlass® Sheathing was also selected for the project. Beyond its typical use as a permanent gypsum building component, the building team also used it to make temporary partitions to protect the performance halls prior to the erection of the steel shell. PCI's distributor, Rew Materials, recommended DensGlass Sheathing for this use because the product's fiberglass mats and moisture-resistant core help reduce the effects of surface water exposure while providing resistance to mold growth.

Product Benefits Lead to Success

In addition to using DensArmor Plus for the center's walls, several other high-performance interior gypsum products were selected to help the Kauffman Center for the Performing Arts stand up to the high volume traffic that will inevitably come with a sought-after performance space.

DensShield® Tile Backer was specified by the architect as a must-have product. DensShield panels incorporate fiberglass mats and a moisture-resistant core and are lighter and easier to install than heavy, hard-to-work-with cement board tile backers. These qualities, along with the potential labor savings, make DensShield Tile Backer the superior substrate in the industry for ceramic tile.

DensGlass® Shaftliner is the ideal component for gypsum board shaftwall, stairwell and area separation/firewall systems when a fire rating is required. DensGlass Shaftliner incorporates a moisture- and mold-resistant, noncombustible gypsum core with fiberglass mats to resist exposure to the elements during the early stages of the construction cycle, which makes it a perfect substitute for heavy, masonry construction.

"From scheduling benefits to easy-to-install products, Dens® products were a critical element in order to successfully complete this project," said Crist. "We're incredibly happy with the results Georgia-Pacific Gypsum products have helped us achieve."

*Complete warranty details are available at www.gpgypsum.com or by calling 1-800-225-6119.

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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WARRANTIES, REMEDIES AND TERMS OF SALE For current warranty information for this product, please go to www.gpgypsum.com and select the product for warranty information. All sales of this product by Georgia-Pacific are subject to our Terms of Sale available at www.gpgypsum.com.

UPDATES AND CURRENT INFORMATION The information in this document may change without notice. Visit our website at www.gpgypsum.com for updates and current information.

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

HANDLING AND USE-CAUTION This product contains fiberglass facings which may cause skin irritation. Dust and fibers produced during the handling and installation of the product may cause skin, eye and respiratory tract irritation. Avoid breathing dust and minimize contact with skin and

eyes. Wear long sleeve shirts, long pants and eye protection. Always maintain adequate ventilation. Use a dust mask or NIOSH/MSHA approved respirator as appropriate in dusty or poorly ventilated areas.

FIRE SAFETY CAUTION Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.

