

# Georgia-Pacific Gypsum Sustainable Materials Data Sheet

(See MSDS for additional information)

## Product and Company Identification

<b>Product Name:</b>	DensArmor Plus High-Performance Interior Gypsum Panel. Performance qualities of this product based upon material composition are obtained by referencing ASTM C 1658 and Section 7 of ASTM C 1396 (which replaced ASTM C 630).	
<b>Product Use:</b>	Coated fiberglass mats, moisture-resistant gypsum interior panel.	
<b>Manufactured by:</b>	Georgia-Pacific Gypsum LLC 133 Peachtree Stree Atlanta, GA 30303 1-800-225-6119 (Technical Information) (404) 652-5119 (MSDS Request)	Georgia-Pacific Canada LP Allanburg Road Thorold, Ontario L2V 3ZB, Canada 1-800-225-6119 (Technical Information) (404) 652-5119 (MSDS Request)

## Link to Online LEED Calculators

<b>United States:</b>	<a href="http://gp.com/build/LeedCalc.aspx">gp.com/build/LeedCalc.aspx</a>
<b>Canada:</b>	<a href="http://gp.com/build/LeedCalcCanada.aspx">gp.com/build/LeedCalcCanada.aspx</a>

## Materials and Resources-MR Credit 4-Recycled Content

LEED for New Construction and Major Renovation  
 LEED Core & Shell Development  
 LEED for Schools: New Construction and Major Renovation

Manufacturing Location <sup>1</sup>	Total Recycled Content <sup>2</sup>	Pre Consumer Recycled Content <sup>2</sup>	Post Consumer Recycled Content <sup>2</sup>
Acme, TX	0%	0%	0%
Antioch, CA	0%	0%	0%
Caledonia, ON	50%	50%	0%
Ft. Dodge, IA	0%	0%	0%
Las Vegas, NV	0%	0%	0%
Lovell, WY	0%	0%	0%
Newington, NH	30%	30%	0%
Savannah, GA	0%	0%	0%
Tacoma, WA	14%	14%	0%

<sup>1</sup> Manufacturing locations subject to change. Please visit [www.gpgypsum.com](http://www.gpgypsum.com) and click on Sustainability.

<sup>2</sup> Minimum value as of January 1, 2010 for product recycled content +/- 1.0%.

<sup>3</sup> Based on ICC Evaluation Service Verification of Attributes Report for Dens® brand products issued August 1, 2009. [www.saveprogram.icc-es.org](http://www.saveprogram.icc-es.org)

## Materials and Resources—MR Credit 5—Regional Materials

LEED for New Construction and Major Renovation

LEED Core & Shell Development

LEED for Schools: New Construction and Major Renovation

Please determine the distance in statute miles to your project site from the closest DensArmor Plus® extraction and manufacturing location.

Manufacturing Location <sup>1</sup>	Gypsum Extraction Location <sup>2</sup>	CGBC for Canada <sup>*</sup>
Acme, TX	Acme, TX	
Antioch, CA	San Marcos Island, Mexico	
Caledonia, ON	Port Hawkesbury, Nova Scotia/Monroe, MI	MR5 - Water Route
Ft. Dodge, IA	Ft. Dodge, IA	
Las Vegas, NV	St. George, UT	
Lovell, WY	Lovell, WY	MR5 - Rail to Reload
Newington, NH	Bow, NH/Sorbas, Spain	MR5 - Water Route
Savannah, GA	Sorbas, Spain	
Tacoma, WA	San Marcos Island, Mexico/Centralia, WA	

<sup>1</sup> Manufacturing locations subject to change. Please visit [www.gpgypsum.com](http://www.gpgypsum.com) and click on Sustainability.

<sup>2</sup> Extraction location(s) for gypsum shipped to manufacturing location during month of February 2012.

Manufacturing location may utilize other sources of gypsum, and sources are subject to change at any time.

Fiberglass mats sourced from Aiken, SC.

\* Canadian Green Building Council provides additional MR5 consideration for rail and water transportation.

## Indoor Environmental Quality (IEQ)

### IEQ Credit 3: Construction Indoor Air Quality (IAQ) Management Plan: During Construction

#### LEED Core and Shell Development

### IEQ Credit 3.1: Construction Indoor Air Quality Management Plan: During Construction

#### LEED for New Construction and Major Renovation

#### LEED for Schools: New Construction and Major Renovation

The use of DensArmor Plus can be considered a potential technology and a component of an Indoor Air Quality (IAQ) management plan during construction. Because of its fiberglass mat construction it avoids the contamination of absorptive materials such as traditional drywall.

When tested, as manufactured, in accordance with ASTM D 3273, DensArmor Plus scored a 10, the highest level of performance for mold resistance under the ASTM D 3273 test method. DensArmor Plus® Fireguard C™, DensArmor Plus® Fireguard®, DensArmor Plus® Fireguard® Abuse-Resistant and Impact-Resistant are Type X products per ASTM C 1658 for use in fire and sound rated assemblies. DensArmor Plus (Certification No. G10Gy94511-1) has been GREENGUARD certified for IAQ standard for Low Emitting Products.

#### LEED for Schools: IEQ Credit 4.6: Low –Emitting Materials

The option calls for the installed gypsum board to meet specific Volatile Organic Compound (VOC) emission requirements. DensArmor Plus (Certification No. G10Gy94511-1) has been certified GREENGUARD Children & Schools and listed by the Collaborative for High Performance Schools® (CHPS™) High Performance product database.

#### LEED for Schools: IEQ Credit 10 Mold Prevention

The use of DensArmor Plus meets the intent to reduce the presence of mold in schools through preventive design and construction measures. Dens® Brand products are listed as microbial-resistant by the GREENGUARD Environmental Institute. Mold- resistant gypsum board is suggested in the GREENGUARD for Building Construction Program as a part of its comprehensive program for preventing mold during the design and construction phase of a project.

### Third Party Listings

- GREENGUARD Environmental Institute
  - GREENGUARD and GREENGUARD Children & Schools Certifications for low emitting products
- Collaborative for High Performance Schools (CHPS)
  - High Performance product database
- GREENGUARD Microbial Resistance Listing

\*All LEED rating point references are suggested applications of Dens® Brand products to the LEED rating system. LEED applicants should use their own objective determinations of product attributes for LEED certification purposes. Not all LEED Credits are applicable in Canada and Mexico; refer to the World Green Building Council ([www.worldgbc.org](http://www.worldgbc.org)).



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

#### SALES INFORMATION AND ORDER PLACEMENT

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

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

#### TECHNICAL INFORMATION

U.S.A. and Canada: **1-800-225-6119**  
[www.gpgypsum.com](http://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](http://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](http://www.gpgypsum.com).

**UPDATES AND CURRENT INFORMATION** The information in this document may change without notice. Visit our website at [www.gpgypsum.com](http://www.gpgypsum.com) for updates and current information.

**CAUTION** For product fire, safety and use information, go to [www.gp.com/safetyinfo](http://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

