

Georgia-Pacific Gypsum Sustainable Materials Data Sheet

(See MSDS for additional information)

Product and Company Identification

Product Name: 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).

Product Use: Coated fiberglass mats, moisture-resistant gypsum interior panel.

Manufactured by:

Georgia-Pacific Gypsum LLC 133 Peachtree Street Atlanta, GA 30303 1-800-225-6119 (Technical Information) (404) 652-5119 (MSDS Request)	Georgia-Pacific Canada, ULC Allanburg Road Thorold, Ontario L2V 3ZB, Canada 1-800-225-6119 (Technical Information) (404) 652-5119 (MSDS Request)
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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 ¹	Total Recycled Content ²	Pre Consumer Recycled Content ²	Post Consumer Recycled Content ²
Acme, TX	0%	0%	0%
Antioch, CA	0%	0%	0%
Caledonia, ON	0%	0%	0%
Camden, NJ	0%	0%	0%
Ft. Dodge, IA	0%	0%	0%
Las Vegas, NV	0%	0%	0%
Lovell, WY	0%	0%	0%
Newington, NH	0%	0%	0%
Savannah, GA	0%	0%	0%
Surrey, BC	0%	0%	0%
Sweetwater, TX	0%	0%	0%
Tacoma, WA	Call ³	Call ³	Call ³
Wheatfield, IN	91.1% ⁴	90.9% ⁴	0.2% ⁴

¹ Manufacturing locations subject to change. Please visit www.gpgypsum.com and click on Sustainability.

² Minimum value as of October 1, 2009 for product recycled content +/- 1.0%.

³ For current Tacoma, WA plant recycled content information, call the Technical Information Line at 1-800-225-6119.

⁴ Based on ICC Evaluation Service Verification of Attributes Report for Dens[™] brand products issued August 1, 2009. 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 ¹	Extraction Location ²
Acme, TX	Acme, TX
Antioch, CA	San Marcos Island, Mexico
Caledonia, ON	Port Hawkesbury, Nova Scotia
Camden, NJ	Port Hawkesbury, Nova Scotia
Ft. Dodge, IA	Ft. Dodge, IA
Las Vegas, NV	St. George, UT
Lovell, WY	Lovell, WY
Newington, NH	Port Hawkesbury, Nova Scotia
Savannah, GA	Port Hawkesbury, Nova Scotia
Surrey, BC	San Marcos Island, Mexico
Sweetwater, TX	Sweetwater, TX
Tacoma, WA	San Marcos Island, Mexico/Centralia, WA
Wheatfield, IN	Wheatfield, IN

¹Manufacturing locations subject to change.

Please visit www.gpgypsum.com and click on Sustainability.

²Extraction location(s) for gypsum shipped to manufacturing location during month of September 2009.

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

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

IEQ Credit 4.6: Ceiling and Wall Systems

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 & Schoolssm and listed by the Collaborative for High Performance Schools® (CHPS™) as a low emitting material.

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)
 - Low emitting materials (LEM) listing
- GREENGUARD Microbial Resistance Listing
- GreenSpec-Listed Green Building Products
 - www.buildinggreen.com

**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).*



U.S.A. – Georgia-Pacific Gypsum LLC
Canada – Georgia-Pacific Canada, ULC

SALES INFORMATION AND 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

U.S.A. and Canada: **1-800-225-6119**
www.gpgypsum.com



TRADEMARKS Unless otherwise noted, all trademarks are owned by or licensed to Georgia-Pacific Gypsum LLC. GREENGUARD, the GREENGUARD logos and GREENGUARD Children & Schools are registered certification marks used under license through the GREENGUARD Environmental Institute. CHPS is a trademark owned by Collaborative for High Performance Schools, Inc. LEED, USGBC and related logo are trademarks owned by the U.S. Green Building Council and are used by permission.

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.