

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 applicable sections of 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 (404) 652-2782 (Technical Information) (404) 652-5119 (MSDS Request)	Georgia-Pacific Canada, Inc. Allanburg Road Thorold, Ontario L2V 3ZB, Canada (404) 652-2782 (Technical Information) (404) 652-5119 (MSDS Request)
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LEED Points: Sustainable Products and Practices

Materials and Resources (MR) Recycled Content

LEED for NC: MR Credit 4.1 & 4.2 (1 Point & 1 Point in addition to MR Credit 4.1)

LEED for Retail—New Construction: MR Credit 4.1 & 4.2

LEED for Core & Shell: MR Credit 4.1 & 4.2

LEED for Schools 2007 Standard: MR Credit 4

Manufacturing Location	Total Recycled Content	Pre Consumer Recycled Content	Post Consumer Recycled Content
Acme, TX	0%	0%	0%
Antioch, CA	0%	0%	0%
Caledonia, ON	4%	4%	0%
Camden, NJ	3%	3%	0%
Edmonton, AB	0%	0%	0%
Ft. Dodge, IA	4%	4%	0%
Las Vegas, NV	0%	0%	0%
Lovell, WY	0%	0%	0%
Newington, NH	4%	4%	0%
Savannah, GA	2%	2%	0%
Surrey, BC	0%	0%	0%
Tacoma, WA*	(see below)	(see below)	0%
Wheatfield, IN	96%	94%	2%

*For current Tacoma, WA plant total recycled content information, call the Technical Information Line at (404) 652-2782.

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LEED Points: Sustainable Products and Practices

Materials and Resources (MR) Local and Regional Materials

LEED for NC: MR Credit 5.1 & 5.2 (1 Point & 1 Point in addition to MR Credit 5.1)

LEED for Retail—New Construction: MR Credit 5.1 & 5.2

LEED for Core & Shell: MR Credit 5.1 & 5.2

LEED for Schools 2007 Standard: MR Credit 5

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

Manufacturing Location	Extraction Location
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
Lovell, WY	Lovell, WY
Surrey, BC	San Marcos Island, Mexico
Tacoma, WA	San Marcos Island, Mexico/Centralia, WA*
Wheatfield, IN	Wheatfield, IN

Plants are being added on an on-going basis. Please call the technical information line, 404-652-2782, to determine if a closer plant has been brought on-line.

** Centralia, WA extraction location provides synthetic gypsum.*

Environmental Quality (EQ)

LEED for NC: EQ Credit 3.1: Construction IAQ Management Plan: During Construction (1 Point)

LEED Core & Shell: EQ Credit 3: Construction IAQ Management Plan: During Construction (1 Point)

LEED for Retail—New Construction: EQ Credit 3.1: Construction IAQ Management Plan: During Construction (1 Point)

LEED for Schools 2007 Standard: EQ Credit 3: Construction IAQ Management Plan: During Construction (1 Point)

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, DensArmor Plus resists the growth of mold per ASTM D 3273. DensArmor Plus® Fireguard® C, DensArmor Plus® Fireguard® and DensArmor Plus® Fireguard® Abuse-Resistant may be used in fire and sound rated assemblies per ASTM C 630, C 1396 and D 1658. DensArmor Plus (Certification No. G10Gy94511-1) has been GREENGUARD® certified for IAQ standard for Low Emitting Products.

LEED for Schools 2007 Standards: EQ Credit 4: Low-Emitting Materials, Option 6: Ceiling and Wall Systems (1-4 Points)

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: EQ 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
- Collaboration 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).*



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

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



The GREENGUARD INDOOR AIR QUALITY CERTIFIED mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.



TRADEMARKS

DENSARMOR PLUS, FIREGUARD, DENS and the GEORGIA-PACIFIC logo are trademarks 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.

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.

LIMITATION OF REMEDIES AND DAMAGES

Unless otherwise stated in our written warranty for these products, our sole liability for any product claim shall be limited to reimbursement of the cost of repair or replacement of the affected product, up to a maximum amount of

two times the original purchase price for the affected product. We shall not be responsible under any circumstances for lost profits, damage to a structure or its contents, or indirect, incidental, special or consequential damages. Claims shall be deemed waived if they are not submitted to us in writing within ten (10) days after discovery of a product defect/circumstance giving rise to a claim.

CAUTION: For product fire, safety and use information, go to gp.com/safetyinfo.

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

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.

CAUTION: For product fire, safety and use information, go to gp.com/safetyinfo.