

GYPSUM

**GREEN MATTERS**  
**BUCHANAN, NEW YORK**  
**DRYWALL PLANT**



bringing materials to *life*™



#### PHOTO CAPTIONS

*(Cover):*  
Synthetic gypsum

*(This page):*  
Burchfield Penny Art Center, Buffalo, NY;  
Recycled cardboard rollers;  
Lafarge engineer inspects the smoothness  
of drywall during production

*(Back cover):*  
Synthetic gypsum

#### p. 3 Introduction

#### p. 4 Recycling responsibly

Using alternative, recycled resources to manufacture environmentally-friendly drywall

#### p. 5 Environmental partnerships

Local and global partnerships with environmental organizations continually improve our “greener” operation performance

#### p. 6 GREENGUARD Certification and MAS Certified Green

Lafarge drywall products that meet the most stringent indoor air quality guidelines for use in “green” buildings

#### p. 7 USGBC, CAGBC and LEED® credits

Plant locations that produce sustainable drywall products that contribute to LEED credits



**L**afarge is the world leader in the building materials industry, active on five continents and holding top-ranking positions in all of its divisions: cement, aggregates and concrete, and gypsum. Not only a leader in product innovation and sustainable manufacturing practices, Lafarge also leads the industry in environmental restoration and preservation efforts. Lafarge has earned a worldwide reputation for

## Lafarge helps contribute to a cleaner, safer environment and attainment of LEED® credits.

environmental stewardship and is regularly listed in the “100 Global Most Sustainable Corporations in the World.”

Over the years, Lafarge has remained dedicated to its commitment to environmental leadership. By implementing active environmental programs designed to monitor and manage environmental matters, Lafarge ensures that its businesses operate in a safe and environmentally protective manner. As a result, Lafarge has made advancements in environmental preservation and our operations have become cleaner and greener.



PHOTO CAPTION

Lafarge drywall plant, Buchanan, New York

## Recycling responsibly at our Buchanan plant

At our state-of-the-art drywall plant in Buchanan, New York, Lafarge uses synthetic gypsum from neighboring power plants to produce environmentally-friendly drywall.

### Lafarge uses the highest percentage of synthetic gypsum in the drywall industry.

With all of our plants using 99 percent recycled content by weight, Lafarge is the only drywall manufacturer to have nearly all of its board manufactured in North America made with 100 percent recycled gypsum and recycled paper.

Synthetic Gypsum (also known as calcium sulfate) is a by-product of the desulfurization process coal-fired power plants use to reduce air pollution. Considered a waste product, synthetic gypsum is typically hauled away and disposed of in landfills.

However, because it is chemically equivalent to natural rock gypsum, synthetic gypsum can be used as an alternative resource when available. At the Lafarge Buchanan plant, synthetic gypsum from neighboring power plants is used to manufacture environmentally-friendly drywall. This cooperative effort results in cleaner air and reduced landfill waste.

Recycling is also key to other areas of our business. At our partner paper plant in Lynchburg, Virginia, Lafarge produces 100 percent recycled content to be used as the face paper on all of our drywall. Additionally, all of our plants recycle scrap drywall that is generated from normal operations.

At Lafarge, our goal is to be the number one supplier of “green” building products. We lead the industry in the use of synthetic gypsum and serve virtually all of our North American trading areas with recycled product. This commitment to sustainable practices assists our customers in meeting the requirements of LEED® certified construction, and ultimately a cleaner world.



\*By weight

**PHOTO CAPTION**

(Right) Wildflower gardens are planted around the Buchanan facility to help create sustainable habitats

(Below) Red-tailed hawks, a protected bird of prey, are spotted frequently around the Buchanan property



two worlds, one planet



# Environmental partnerships improve our performance

Lafarge has partnered with many environmental organizations, both locally and globally, to continuously improve our environmental performance and mitigate the impact of our business.

### World Wildlife Fund

In 2000, Lafarge partnered with the World Wildlife Fund, an independent conservation organization, in an effort to preserve biodiversity and restore the ecobalance of quarries and forests. Working together, Lafarge and the World Wildlife Fund have increased the amount of wildlife habitats on Lafarge sites globally and reduced carbon dioxide emissions.

### Wildlife Habitat Council

In an effort to conserve and create wildlife habitats at its sites across North America, Lafarge has teamed up with the Wildlife Habitat Council (WHC). Together with community groups and others, Lafarge is working to make its sites as wildlife-friendly

as possible by protecting and enhancing habitats. WHC has certified a number of Lafarge sites as wildlife habitats in recognition of Lafarge's accomplishments in this area.

### Buchanan, New York

Lafarge has taken an active role in creating, maintaining and improving local wildlife habitats. Working closely with the Wildlife Habitat Council, Lafarge has planted indigenous trees, shrubs and wild flower gardens to encourage native wildlife and vegetation to thrive on and around the Buchanan property. These efforts have resulted in a noticeable increase of local deer, geese, duck, wild turkey and birds of prey living around the facility.





**PHOTO CAPTION**

Forklift operator stacking pallets of drywall

**GREENGUARD Certification and MAS Certified Green**

Lafarge GREENGUARD Certified and MAS Certified Green products are tested and certified as low-emitting interior building materials that meet relevant regulatory and industry emission standards.

These programs were created and are conducted by independent organizations to help specifiers, designers, architects, builders, consumers and other end users find and easily identify products that meet the most stringent indoor air quality guidelines for use in “green” buildings.



# Sustainable drywall products offered by Lafarge

Lafarge drywall products contribute to the U.S. Green Building Council’s LEED® credit requirements for: MR Credits 4.1 and 4.2 (Recycled Content) and MR Credits 5.1 & 5.2 (Regional Materials)

| Lafarge drywall products*                     | Description   |   |
|---|---|---|
| Regular                                       | Gypsum drywall products with specific features for various applications |   |
| Firecheck®                                    |   |   |
| Watercheck®                                   |   |   |
| Sagcheck®                                     |   |   |
| Shaftliner Type X                             |   |   |
| Mold Defense™                                 | Abuse- and/or mold-resistant drywall                                    |   |
| Mold Defense™ Type X                          |   |   |
| Mold Defense™ Shaftliner Type X               |   |   |
| Protecta® AR 100 Type X with Mold Defense™    |   |   |
| Protecta® HIR 300 Type X with Mold Defense™   |   |   |
| Rapid Deco® Level 5                           |   | Level 5 skim-coated and/or mold-resistant drywall |
| Rapid Deco® Level 5 Type X                    |   |   |
| Rapid Deco® Level 5 with Mold Defense™        |   |   |
| Rapid Deco® Level 5 Type X with Mold Defense™ |   |   |
| Weather Defense™                              |   | High-performance exterior sheathing               |
| Weather Defense™ Type X                       |   |   |

This is only a partial listing of Lafarge drywall products that may be either GREENGUARD Certified, MAS Certified Green, and may contribute to LEED credits.

For specific LEED credit information, please visit our website at [certguide.lafarge-na.com](http://certguide.lafarge-na.com).



**PHOTO CAPTION**

Map illustrating area of coverage where Lafarge drywall products can contribute to LEED credits. For specific LEED credit information visit [certguide.lafarge-na.com](http://certguide.lafarge-na.com).

**USGBC "Regional Materials" LEED® Credits**

Use materials that are both harvested and manufactured within 500 miles (800 km) of the project site.

**CAGBC "Local Production" LEED® Credits**

Use materials that are both harvested and manufactured within 500 miles (800 km) if moved by truck, or 1,500 miles (2,400 km) if moved by rail of the project site.

**Lafarge drywall plants and distances from extraction locations for regional materials.**

● **BUCHANAN, NY 10511**

✱ **Extraction Locations:**

50% - Aquasco, MD 20608  
 50% - Newburg, MD 20664  
 Distance to plant: approximately 250 miles

● **SILVER GROVE, KY 41085**

✱ **Extraction Locations:**

50% - Moscow, OH 45153  
 50% - North Bend, OH 45051  
 Distance to plant: 20 miles

● **PALATKA, FL 32177**

✱ **EXTRACTION LOCATION:**

100% - Palatka, FL 32177  
 Distance to plant: less than 1 mile

**U.S. Green Building Council, Canada Green Building Council and LEED®**

Lafarge is a member of the U.S. Green Building Council (USGBC) and the Canada Green Building Council (CAGBC), both non-profit organizations composed of leaders from every sector of the building industry who are committed to expanding sustainable building practices.

Developed by USGBC, LEED (Leadership in Energy and Environmental Design) is a voluntary, consensus-based national rating system for green building design and construction. LEED emphasizes state-of-the-art strategies for sustainable site development, water savings, energy efficiency, materials and resources selection, and indoor environmental quality.



Artist's rendering. All distances are approximate and shown for illustrative purposes only.

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LAFARGE NORTH AMERICA INC.  
12950 Worldgate Drive, Suite 400  
Herndon, Virginia 20170, United States  
(800) 237-5505

[www.lafargenorthamerica.com](http://www.lafargenorthamerica.com)

