

Architectural Masonry Solutions for Schools



Photos courtesy of: Oldcastle Architectural, Inc.

When it comes to the appearance and structural integrity of a building, few materials offer the versatility and long-term durability of concrete masonry. Today's architectural block is manufactured in state-of-the-art facilities using technology that didn't exist a few short years ago. The result is a dazzling selection of sizes, shapes, textures and colors that provide the architect with a pallet of unlimited design options.

Committed to Education

With national capabilities and local presence, Oldcastle's commitment to customer service and satisfaction of educational facilities assures a level of service no supplier can match.

Moving Forward. Oldcastle Architectural streamlines your building projects by offering the largest selection of masonry and hardscape products throughout North America. A single point of contact within Oldcastle guides you through a multitude of design options, keeps your colors and textures consistent, and provides the highest quality products available. As the only national producer of masonry products, Oldcastle streamlines your bidding process and ensures you get the right product and the best service. And as the industry leader, Oldcastle offers more architectural options and a pipeline of new products to make every project a success.

Getting You to Green.

As the major manufacturer of concrete masonry products, Oldcastle has taken a leadership role in the development of innovative and environmentally friendly masonry solutions. As a responsible member of the U.S. Green Building Council (USGBC), Oldcastle is proud to provide products supporting your green building efforts. Their extensive offering of masonry products enables architects and building owners to work toward obtaining LEED certification. Many of Oldcastle's masonry products feature recycled content, either recycled aggregates or cement replacements, or save

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energy in completed structures, due to unique and efficient insulation methods. The company is constantly developing new products that facilitate green design, sustainability and lower life cycle building costs.



Oldcastle Architectural Products—Benefits to Schools

Used in educational facilities throughout the U.S., Oldcastle products are high-quality premium architectural masonry units in custom colors, shapes and sizes that you won't find elsewhere. They contribute to a sustainable environment in several ways:

■ **Low Life Cycle Costs** Oldcastle products are virtually maintenance free—there is no need to paint or refinish architectural masonry. Their structural integrity and unmatched durability mean they last the life of your school building. In addition, they are naturally resistant to the abundant playful energy found in school children.

■ **Reduced Energy Consumption** Masonry's high thermal mass walls have a significant impact in reducing energy consumption. The Integra and NRG insulated concrete masonry wall systems offer both high thermal mass and high R-values.

■ **Better Air Quality** Unlike other products that tend to foster mold growth, architectural masonry is not a mold food source. This reduces the opportunity for mold growth, which in turn promotes cleanliness and good indoor air quality.

■ **Safety and Security** Architectural masonry products provide excellent fire resistance and structural integrity. You can rest easy and have peace of mind knowing that architectural masonry will withstand almost any threat, including fires and high winds.

■ **Beautiful Hardscapes** Belgard interlocking pavers, paving stones, garden wall and retaining wall products add beauty to your school's driveways, walkways, patios, parking areas and overall landscape.

■ **Stormwater Management** Drain Stone and Turf Stone permeable paver systems help to collect, store and treat stormwater run-off in a more effective manner.

Smart Products for Education

Oldcastle carries a range of products tailor made for today's active educational environments.

Quik Brik—The Cost-Effective Alternative to Traditional Clay Brick

Quik Brik is a structural concrete masonry veneer that stands alone without structural backup. With the rich look of traditional brick, Quik Brik offers fast one-step installation, nationwide color consistency and variety, conformance to national building code requirements, fire resistance and energy efficiency with insulation and grouting options. Quik Brik is fade resistant and super strong—it actually exceeds ASTM C-90 requirements for compressive strength and absorption. And because Quik Brik features hollow cores, loose-fill or foamed insulation can be used to increase R-values for energy efficient walls that meet Model Energy Codes. Control Brik is the next generation Quik Brik. Control Brik improves Quik Brik's natural water resistance, further reducing your school's mold growth potential.

Glazed Concrete Masonry Units—The Perfect Choice for Schools

Available with recycled content, glazed concrete masonry units possess the beauty of glazed tile and the integrity and durability of concrete masonry. Exceptionally resistant to staining, abrasion, impact and chemicals, glazed concrete masonry is the ideal sustainable choice for any education facility. The glazed units are virtually impenetrable to graffiti, spray paint, permanent markers, grease and crayon. Mold and moisture resistant, glazed concrete masonry is USDA approved for sanitary and clean room environments.

Ground Face Concrete Masonry Units—Accentuating Natural Beauty

Ground face units (Verastone® recycled ground face, Verastone® Plus recycled, filled and polished face, Trendstone® ground face and Trendstone Plus® filled and polished face) are ground to expose the variegated colors of the natural aggregates. The pores and interstices of the filled and polished units are filled with a cementitious grout and the exposed faces are polished to exhibit a smooth terrazzo-like finish. A factory-applied clear satin gloss acrylic applied to these ground face units provides an extra dose of moisture resistance.

Insulated Concrete Masonry Units—Conserving Energy

Integra and NRG insulated concrete masonry wall systems offer exceptional energy performance due to their high thermal mass and high R-values (R-14 to R-19). Integra is used widely in the southwest and Gulf coast states while NRG is prevalent in the northeast and Great Lake states.



*Bolingbrook High School
Bolingbrook, IL*

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Permeable Paver Systems—Managing & Filtering Stormwater

Drain Stone and Turf Stone permeable paver systems can help you manage today’s stormwater runoff. How we choose to manage storm runoff today will affect the delicate ecosystems in our lakes, rivers, streams and bays tomorrow. Our Drain Stone system pulls water into the soil, reducing storm water damage and recharging ground water aquifers. The Turf Stone system allows rainwater to be filtered back into the soil naturally and gradually, resulting in the control and stabilization of soil erosion. The eco-friendly design of Turf Stone allows greenery to grow right through it, creating a highly unique hardscape design that works with the natural beauty of the land.

Web Site Links

To learn more about Oldcastle Architectural, their companies and products please visit:

Oldcastle Architectural	www.Oldcastle.com/architectural.htm
Quik Brik	www.Quik-Brik.com
Integra	www.IntegraWall.com
NRG	www.AdvancedConcreteTechnology.com
Glazed and Ground Face Units	www.Trenwyth.com
Permeable Paver Systems	www.Belgard.biz

About Oldcastle Architectural, Oldcastle Inc., and CRH plc

In North America, Oldcastle operates two divisions.

Oldcastle Materials is a leading U.S. producer of construction aggregates, asphalt and ready mix concrete with its companies organized in four major regional groups in New York/New Jersey, New England, Central states and Western states.

Oldcastle Products and Distribution comprises four strategic product groups:

- Oldcastle Architectural, which produces a broad range of masonry, Do It Yourself and professional hardscape products, packaged concrete mixes and decorative lawn and garden products.
- Oldcastle Precast, which manufactures concrete structures and pipes for power distribution, telecommunication systems, and drainage.
- Oldcastle Glass, which fabricates architectural glass systems for commercial and residential construction and refurbishment.
- Oldcastle Distribution is a specialty distributor of roofing and siding and insulation materials and interior building products.

Oldcastle Architectural operates as a “federation of companies,” each of which retains its local identity and autonomy while leveraging the financial strength, best practice and purchasing power of a larger group. Oldcastle Architectural companies

operate in more than 190 locations in 35 states and 2 Canadian provinces with a combined 7,000 employees.

Oldcastle Architectural is at the head of the class as a one-stop source for masonry and hardscape products. Oldcastle Architectural is part of Oldcastle, Inc. the North American arm of CRH plc. CRH plc is a major international producer of construction materials and building products with worldwide sales in excess of \$11 billion. One of the world’s top five building materials suppliers, CRH focuses on three closely related core businesses: primary materials, value-added building products and specialty building materials distribution. CRH operates more than 1,600 locations in 23 countries and employs 54,000 people. CRH established its North American presence as Oldcastle, Inc. in 1978 with the purchase of Utah’s Amcor Masonry Products.

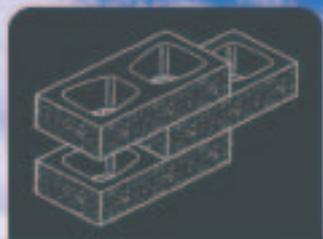


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