

Fenestration Solutions Earn High Marks

EXPRESSIVE DESIGN PROVIDES COMFORT AND SECURITY TO TODAY'S LEARNING ENVIRONMENTS



CARVER HIGH SCHOOL: Atlanta, Ga.

ENSURING THAT STUDENTS HAVE SAFE, HEALTHY AND comfortable learning environments is a top priority for all of us. However, budgets are tightening and student populations are growing. As a result, administrators, teachers and architects are being asked to do more and more, with less and less.

Providing products that are efficient and affordable is a must—and EFCO takes pride in their long tradition of doing just that.

»»» ORIENTATION:

A member of the Pella family of companies, EFCO is headquartered in Monett, Missouri, where they provide careers for more than 1,600 employees.

In business for more than 50 years, EFCO is known for their long-standing commitment to innovation, efficiency, expressive design and a level of quality unsurpassed in the industry.

Since their inception, they have grown into a leading manufacturer of architectural aluminum window, curtain wall, storefront and entrance systems for commercial architectural applications. Their products can be found in everything from sports arenas, shopping malls and government office buildings to high-rise residential and commercial buildings.

However, it's the hundreds of schools and collegiate building projects across the country that makes them most proud.

»»» ELECTIVES:

For customers, educational institutions especially, EFCO's vertically integrated manufacturing helps ensure design solutions that are both innovative and sensible. For EFCO, it's precisely what makes them a leader in commercial- and architectural-grade products.

► **Windows.** EFCO manufactures more than 25 aluminum window systems, all of which meet AAMA performance standards. And the company provides them in all the applications that ensure they'll meet clients' demands: hung, projected, sliding and special-purpose.

They can also custom-design, engineer and fabricate windows to meet any project's specifications. Additionally, their Trim-All® system is designed for restoration or replacement applications, such as the one recently completed at Carver High School in Atlanta. Their exterior panning frames and interior trims snap into place over existing wood or steel frames—making for easy installation and immediate energy savings.

► **Curtain wall.** EFCO manufactures curtain wall systems in a variety of depths, profiles and finishes. Their systems meet key specifications for resistance to air, water and impact, as



PERFORMING ARTS BUILDING: Texas A&M Corpus Christi Campus, Corpus Christi, Tx.

well as modern expectations for sustainability and structural and thermal performance.

As you can see from Texas A&M's Performing Arts building, which utilizes EFCO's E-Wall, that variety allows the company to offer a comprehensive, cutting-edge line that combines design and performance.

Their E-Wall reduces labor time and costs, because its molded-corner silicone gasket means there are no internal joint seals, mullion plugs, pressure plates or snap-on covers.

► **Entrances and storefronts.** EFCO has entrance and storefront systems that meet the unique needs of schools and universities—such as the system at Ozark Technical Community College in Springfield, Missouri. Specifiers are consistently impressed by the sheer variety of EFCO's products and their durability, versatility, low maintenance and unequalled quality.



OZARK COMMUNITY COLLEGE: Richwood Valley Campus, Ozark, Mo.

The company's entrances are designed to integrate easily with their entire family of storefronts. Available for the full spectrum of applications and requirements, EFCO entrances and storefronts provide reliable air, water, thermal performance, along with maximized security—important advantages for busy schools and university buildings.

EFCO's vertically integrated manufacturing helps ensure design solutions that are both innovative and sensible

With EFCO, you get all the choices that ensure an expressive design, while they deliver quick fabrication—in the shop or in the field.

►►► **"GREEN" CLASSROOMS:**

At EFCO, they understand the need to provide long-term, energy-efficient and earth-friendly options that help keep operations costs down. In fact, EFCO has lessened the environmental impact of their products in a number of ways:

► **Recyclable materials.** EFCO offers a product line comprised largely of glass and aluminum—two of the world's most abundant recyclable materials. Recycled aluminum is identical to smelted aluminum and is an extremely effective building material. Plus, it only takes a small fraction of energy to produce and is easily recycled.



NORTH DAKOTA STATE UNIVERSITY: Fargo, N.D.

EFCO offers a number of products that withstand severe weather and massive force

one example of an educational institution that has utilized this cost-saving advantage.

► **Reduced VOCs.** The company’s Ultrapon™ and Ultraflur™ painted-finish systems contain high solids, which decrease the pounds of Volatile Organic Compounds (VOCs) per gallon of paint without sacrificing performance.

► **Anodizing finishes.** When producing EFCO’s Class I anodic finish, they filter the water and chemicals used in this process. As a result, a “cake” of aluminum hydroxide is made—and then reclaimed and sold to processors to produce alumina.

►►► **KEEPING KIDS SAFE:**

While the company hopes they are never needed, EFCO offers a number of products that withstand severe weather and massive force. These products are specifically designed to keep students safe.

After all, schools in coastal regions like Florida’s Gibbs High School are susceptible to some of the country’s most extreme

► **Thermal innovation.** Many EFCO products save energy by incorporating their E-Strut® technology for thermal isolators. In addition, a new pultruded process supports their fiberglass E-Shield™ window. North Dakota State University is just

weather. And with the potential for man-made disasters, whether intentional or accidental, safety is a critical consideration wherever a school building is constructed.

To ensure that their impact-resistant products withstand extreme conditions—whatever the cause—EFCO maintains extensive R&D and laboratory testing facilities to make certain their products meet and exceed standards even before they’re independently tested. They also apply their own expertise before outside verification. For instance, their engineers and researchers develop and test their Impact Grade products in EFCO facilities.



GIBBS HIGH SCHOOL: St. Petersburg, Fla.



BLYTHEWOOD HIGH SCHOOL: Blythewood, S.C.

› **Making the Grade.** EFCO recognizes and works toward all the accepted standards for impact resistance:

- **Impact Grade.** Products are manufactured in accordance with Miami-Dade and ASTM 1996 & 1886, which have been adopted along much of America's eastern coastline.
- **Blast Grade.** Designed to help ensure that a building and its occupants survive an explosion, products are tested to ASTM 1642-03.
- **Ballistic Grade.** Tested to UL 752, products provide superior resistance to projectiles of various shapes and sizes—a particularly important feature for educational institutions that face a variety of threats daily.
- **Hurricane Grade.** Manufactured and tested to comply with Dade County Hurricane Code, EFCO's products are designed to preserve structural integrity, keeping roofs and walls intact and preventing the intrusion of damaging winds and windborne objects.

Their products also undergo missile-impact testing, which measures structural performance against high-velocity windborne projectiles.

From research and development to manufacturing and testing, EFCO applies the knowledge and dedication of experienced professionals. This attention to detail ensures security and peace of mind.

With EFCO, you have a single source for products and information that help you meet regulatory standards. And

you have the confidence that your building will help protect the students inside it.

››› **EXCELLING IN THE CLASSROOM AND BEYOND:**

For EFCO, success and growth are what happens when you spend decades working with your customers to meet their needs.

Their products are designed with students' well-being in mind. From maximized natural lighting that enhances the learning atmosphere to ventilation capacity that further ensures health and safety. And they address all of today's security, energy and environmental challenges.

Throughout their history, EFCO has set high standards and then met them all—with their industry-best windows, curtain wall, storefronts and entrances and more.

The company looks forward to continuing to work hand-in-hand with the educational community, offering products that meet your needs as they strive together to build and improve America's schools well into the 21st century. ■

EFCO Corporation
Visit us online at efcocorp.com
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