



INNOVATIONS FOR LIVING®



UNIVERSITY SELECTS DUCT BOARD CERTIFIED FOR CHILDREN AND SCHOOLS

Nova Southeastern University is in the process of adding two buildings to its beautiful 300-acre campus in Davie, Fla., as part of a more than \$50 million project to expand its University School, which is a leading private school serving grades pre-K through 12 located on 40 acres of the main NSU campus. One building is a 70,800-square-foot University School Fine and Performing Arts Center while the other is an 82,200-square-foot University School Lower School building where teachers provide

a challenging and personalized education within a supportive environment for students in pre-kindergarten through fifth grade.

Good indoor air quality is needed in both structures, of course. NSU carefully selected Hill York as their leading air-conditioning contractor and Hill York chose Owens Corning as their manufacturer of choice for the air handling system. As a result, NSU used more than 17,000 square feet of Owens Corning QuietR® fiberglass duct board. One reason for that selection is the fact that QuietR

duct board is certified for indoor air quality by the GREENGUARD Environmental Institute (GEI). In fact, QuietR duct board is certified to go a step further than most products by meeting the stringent product emission standard for GREENGUARD Children & Schools.

GEI developed the Children & Schools Certification Program in response to rising concern over asthma and other respiratory illnesses associated with indoor air quality. The U.S. Environmental Protection Agency estimates that

half of U.S. schools have indoor air quality problems, which are blamed for reducing student performance on tasks requiring concentration, calculation and memory.

According to GEI, children are more at risk for environmental toxins than adults. They consume more food, water and have higher inhalation rates per pound of body weight than adults, which means they are more susceptible to pollutants in the environment than adults are, and those pollutants can be more damaging to their health.

established to define low-emitting materials for educational and learning/play environments.

“As a provider of optimized green solutions, we are pleased to install air-handling products that are certified for use with young children,” says Jeff Phillabaum, President, Hill York, the leading air-conditioning contractor in South Florida since 1936. The company specializes in commercial and institutional projects including educational, governmental, healthcare, recreational and religious facilities, and green building solutions are often a necessity.

quality for children in schools. Products such as Owens Corning duct board are certified by GEI so that consumers can rest assured that their homes, work places and schools are healthy and safe environments.”

For more than 40 years, Owens Corning fiberglass duct board, duct liner and duct wrap insulation have been contributing to energy conservation, noise control and indoor air quality performance in heating, ventilating and air conditioning systems serving residential and commercial buildings in all parts of the country.



To account for inhalation exposure to young children with greater sensitivities, GEI applied a body burden correction factor to current allowable emission levels from indoor materials and furnishings. The exposure to individual chemicals was also adjusted to allow no greater than 1/100 of currently published Threshold Limit Values or no greater than one-half of California's Chronic Reference Exposure Levels, whichever is lower. In many cases, the safety factor results in the most stringent requirements for an extensive range of volatile organic compounds. In addition, limits on emissions of phthalates were

“Our customers count on Hill York for cost-effective, energy-efficient and performance-managed cooling solutions that make life more comfortable,” continues Phillabaum. “We have been installing Owens Corning ducts with confidence for many years but it is wonderful to also have independent third-party verification of the product's contribution to indoor air quality.”

Dr. Marilyn Black, Founder of GEI, said: “The Institute applauds Owens Corning in their continued commitment to furthering our mission of improving indoor air

The primary benefits of fiberglass ducts are acoustic performance and energy efficiency. Fiberglass ducts reduce air leaks eight times better than unsealed and uninsulated metals ducts, and fiberglass ducts are 75 percent more efficient than unsealed and uninsulated metal ducts. Both claims are based on data compiled by the North American Insulation Manufacturers Association, a trade association of manufacturers of fiberglass and other mineral wool insulation products.

Other product features and benefits of fiberglass ducts include:

- Durable air stream surface
- Mold protection from an EPA-registered biocide; also listed as Microbial Resistant by GEI
- Air velocities up to 6,000 feet per minute
- Efficient noise dampening and absorption
- Easy fabrication and installation
- Code compliance

Weston Gunnarson, Project Manager for Hill York, says one unusual aspect of the recent projects at NSU is placement of the return-air ducts in the music building. "For ultra-quiet operating performance, the return openings are down near the bottom of the walls to get them as far away from the cooling equipment as possible."

A challenge for construction in humid south Florida is avoiding mold growth before the building is closed in and conditioned. "We have never had a problem with Owens Corning duct board," says Gunnarson.

For more information about Owens Corning products that are GREENGUARD Indoor Air Quality Certified or GREENGUARD Children and Schools, visit the GEI Web site at www.greenguard.org.

Bright Star in the Southeast

Nova Southeastern University, Davie, Fla., has more than 26,000 students and is the largest fully accredited independent institution of higher education in the Southeast U.S. NSU is also the 6th largest not-for-profit independent institution nationally.

NSU is dedicated to providing high-quality educational programs from preschool through the professional and doctorate levels. NSU awards degrees in a wide range of fields and has undergraduate, graduate and professional schools for osteopathic

medicine, pharmacy, optometry, allied health and nursing, medical sciences, dental medicine, law, marine biology and oceanography, business and entrepreneurship, computer and information sciences, humanities, conflict resolution, family therapy, interdisciplinary studies, education, psychology and counseling, and family programs.

The institution also enjoys an excellent reputation for its programs for families offered through the Mailman Segal Institute for Early

Childhood Studies and University School, including innovative parenting, preschool, primary, and secondary education programs.

NSU's University School, established in 1971, is a leading private school serving grades pre-K through 12 located on 40 acres of the main NSU campus with separate buildings for the Lower, Middle and Upper Schools.



Contact information

Marie Papa-Vavrovsky
Marketing Manager
Hill York
2125 South Andrews Avenue
Fort Lauderdale, FL 33316
954-525-2971
MPapa@hillyork.com
www.hillyork.com

Office of Facilities Management
Nova Southeastern University
3301 College Avenue
Fort Lauderdale-Davie, FL
33314-7796
(954) 262-8845
www.nova.edu/

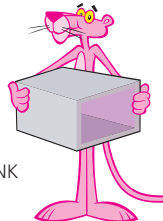
Dave Pawlicki
Business and National Account
Manager, HVAC
Owens Corning
Toledo, OH
419-248-8109
dave.pawlicki@owenscorning.com
www.owenscorning.com/comminsul/



OWENS CORNING INSULATING SYSTEMS, LLC
ONE OWENS CORNING PARKWAY
Toledo, Ohio 43659
1-800-GET-PINK™
www.owenscorning.com

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