

VEKA VINYL WINDOWS AND DOORS

The system that was chosen for VEKA Inc. was the Veka Euroview. Its thermal properties are achieved by a 5-chamber air-pocket system in all frame and sashes. Frame and Sash profiles are all steel reinforced, to provide the structural strength, and decrease the thermal expansion factors, inherent in PVC systems.


Slightly rounded edges give the classical design to the EUROVIEW System.

High Thermal Insulation Values (U-Value 0.2 BTU/H*ft²*F, R-Value 5.0) are achievable (depending on glazing) and reduce heating costs noticeably.

High-quality gaskets, are standard and comprise a system of dual compression-seals that keeps the cold, draft and moisture outside.

Galvanized Steel Reinforcing used according to VEKA fabrication requirements, supports the structural integrity and operational reliability.

5 Chamber Profile with a basic overall depth of 70 mm (2-3/4"): is an ideal use of dead air's natural insulating characteristics.



Save Energy and Reduce Costs
Because of multi-chamber technology, VEKA profiles have an enormously low heat transmission value. This reduces your energy use as well as heating and cooling costs.

Feel Comfortable

The excellent insulation performance of VEKA profiles and reliable weather seals guarantee a difference in overall room temperature providing comfort throughout the living space.



Optimal Noise Insulation

Noise exposure affects comfort and can impact your health. Even the basic window produced with VEKA Profiles protects against sound transmission. Windows with VEKA profiles can be fabricated to the highest possible level of sound transmission control.



Built in 2006, VEKA South near Dallas, Texas serves as a natural test facility for our vinyl extrusions in a high temperature, high humidity environment .



Built in 1994 VEKA West in Reno, Nevada was built to supply the western states with the same high quality profiles available in the east. This building also serves as a natural test facility for our vinyl extrusions in a high altitude, high temperature, low humidity environment .



VEKA Inc., North American Headquarters

Builder:	TRACON Contractors (phase 1) Kacin G.C. (phase 2,3,4)
Services Provided:	Design/Build
Location:	Fombell, PA
Square Footage:	120,000 SF, 1987 160,000 SF addition, 1989 200,000 SF addition, 1995 120,000 SF addition, 2003
Owner:	VEKA Holdings

Project Description:

The Design/Build project scope involved the site preparation and new construction of a two-story office and administration building attached to a 100,000 sq. ft. extrusion facility and warehouse. The office building has a dryvit exterior and a membrane roof while the warehouse/ extrusion structure is insulated metal building construction.

Eight years later expanded business necessitated additional administration, manufacturing and warehouse space. A second two story office building capable of expanding to 4 stories was seamlessly added to the existing structure. Another warehouse addition was made in 2003 bringing the total to 600,000 sq. ft. under roof.

Technical Specifications

	PHASE I	PHASE II	PHASE III
Application:	VEKA Inc., Headquarters	VEKA Inc., Headquarters	VEKA Inc., Headquarters
Location:	Fombell, PA	Fombell, PA	Fombell, PA
Date:	1987	1995	2005
Material:	PVC - Vinyl	PVC - Vinyl	PVC - Vinyl
Units:	Fixed and awning windows	Fixed and dual action windows	Fixed and dual action windows, swing doors
Glazing:	Cardinal LowE 3, 1" IG mirror finish	Cardinal LowE 3, 1" IG with grey tint	Cardinal LowE 3, 1" IG tinted
Dimensions:	227 Fixed Windows 43" x 77" 36 Fixed Windows 8 awnings	158 Fixed Windows 43" x 77" 4 Tilt/Turns 34-1/2" x 77"	Fixed and operable windows and doors in a conservatory



The original 1987 window installation on the left was matched in style and performance by the 1995 building addition on the right.



This 1995 addition uses VEKA's PVC windows to provide superior energy efficiency, UV reflectance and sound transmission control.



Constructed in 2005 this aluminum and steel reinforced PVC conservatory encloses a former parking area and is now showroom space.

The decision to use PVC windows and doors by Veka was a natural in that we manufacture the high quality vinyl extrusions for windows and doors that fabricators want. Based on the analysis and technical support documentation in comparing PVC to the traditional aluminum solution we know that PVC offers a clear advantage in regards to the thermal properties, better energy efficiency (U-Values), low solar heat gain and better sound control (Noise).

Our North American headquarters facility offered us the perfect opportunity to install and real world test our proprietary vinyl formulation for windows and doors in a variety of weather conditions. Phase one has been flawlessly performing since 1987 and phase two since 1995. We see no reason why we can not expect to have another 20 years of service from this installation.



TRACON Construction was the general contractor for phase one of the VEKA headquarters project. The project required site preparation and construction of an extrusion floor/warehousing facility as well as a two story corporate and administrative office building. This original construction involved the installation of approximately 200 fixed and operable vinyl window systems

KACIN, Inc. is a general contractor that specializes in the development of commercial, industrial and upscale residential properties. Veka used the design/build approach by coordinating the activities of architects and sub-contractors. This management style eliminates many headaches that clients traditionally encounter during construction or renovation, minimizes construction costs and allows jobs to be completed on-time and on-budget.

VEKA Inc. is a division of VEKA AG one of the world's largest extruder of vinyl lineals for the residential and commercial window and door industry. In addition we extrude fence, deck and handrail extrusions for fabricators and builders in the outdoor living products sector. VEKA employs more than 3,000 skilled personnel serving customers globally from 25 plants worldwide, with over 40 years of leadership in helping fabricators deploy technologically advanced materials for residential and commercial building applications.

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GENERAL CONTRACTORS

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VEKA EUROVIEW 58 DS SYSTEM:

The system that was chosen for the McNair Elementary School was the Veka Euroview 58 DS. The system has a 58mm (2-1/4") frame depth. It's thermal properties are achieved by a 3-chamber air-pocket system in all frame and sashes. Frame and Sash profiles are all steel reinforced, to provide the structural strength, and decrease the thermal expansion factors, inherent in PVC systems.

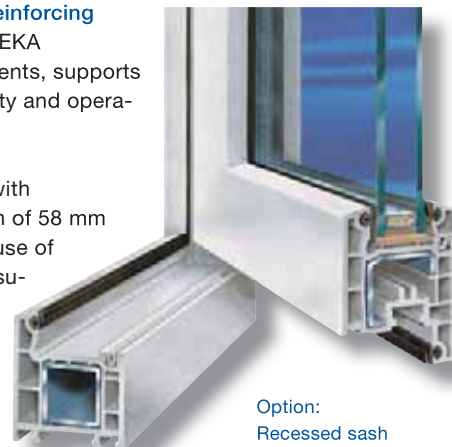
Slightly rounded edges give the classical design to the EUROVIEW System.

High Thermal Insulation Values up to $U_w=1,0 \text{ W/m}^2\text{K}$ (U-Value 0.176 BTU/H*ft²*F, R-Value 5.7) are achievable (depending on glazing) and reduce heating costs noticeably.

High-quality gaskets, are standard in an attractive grey and comprise a system of dual compression-seals that keeps the cold, draft and moisture outside.

Galvanized Steel Reinforcing used according to VEKA fabrication requirements, supports the structural integrity and operational reliability.

3 Chamber Profile with a basic overall depth of 58 mm (2-1/4"): is an ideal use of dead air's natural insulating characteristics.



Save Energy and Reduce Costs

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Feel Comfortable

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McNair Elementary School

Builder:	CD Moody Construction
Architect:	Vernell Barnes, Architect
Services Provided:	Design/Build
Location:	Atlanta, GA
Square Footage:	108,849 SF
Owner:	DeKalb County Board of Education

Project Description:

The new construction involves two new three-story classroom buildings, one story administration area, science labs, media center, and cafeteria theater area, that are located to the rear of the property. Due to severe slope of the land the three-story structures are virtually invisible from Second Avenue, the front of the school. The exterior of the school is a combination of dry stacked stone and cement board siding. The original building has a membrane roof while the three-story classroom buildings have an attractive asphalt shingle roof. The combination of siding, stacked stone, and asphalt shingles allow for this facility to blend in very nicely with the neighborhood homes. The exterior of the building is further enhanced by the use of a storefront punched window opening. The new school is designed on a residential scale which blends into the neighborhood atmosphere.

The Design/Build project scope involved the demolition of the existing school. The entire facility is new construction.

Technical Specifications

Application:	McNair Cluster Elementary School
Location:	Decatur, GA
Profile System:	Veka Euroview 58 DS
Color:	Bone (Crème)
Units:	Fixed Windows, Storefront, Doors
Glazing:	Cardinal LowE3, 1"IG overall
Dimensions:	128 pcs. Fixed Windows 61" x 61" 8 Double Doors 6' x 8' w/Top Lite 9 Single Doors 3' x 8' w/Top Lite 2300 Sq ft. Storefront
Hardware:	All Doors Stanley Panic Hardware



The decision to use PVC Windows, Doors and Storefront from Veka was based on the analysis and technical support documentation in comparing PVC to the traditional aluminum solution. PVC offers a clear advantage in regards to the Thermal Properties, better Energy Efficiency (U-Values), and in conjunction with the right glazing option, better sound control (Noise).

The Energy Efficiency of PVC frame material for windows And doors has been proven for many years in the residential area. Now Veka can offer the same advantages in the commercial area with the Euroview product line.

Selecting the proper glazing option also played a major role in the energy efficiency of the entire system. Cardinal provided a 1" insulated IG with Low E3 coating, (Cardinal LowE3 – 366) the ultimate performance glass. LowE3 – 366 delivers the ideal balance of solar control and high visibility. And it provides the highest levels of year-round comfort and energy savings regardless of location.



A basic tenet of our mission at C.D. Moody Construction Company, Inc. is to give back to the community that has supported our business growth. Our staff and employees are active on many boards and in many professional societies.

The company has motivated and guided five new entrepreneurs into business and serves as a mentor to three small businesses. In addition, C.D. Moody Construction Company, Inc. has adopted two schools and our staff mentors local student groups. In 1989, the company established the C.D. Moody Construction Company, Inc. Foundation, which has awarded 80 scholarships to deserving students.

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Atlanta Window Systems provides a wide array of commercial and residential products designed to add quality and beauty to any environment.

From high performance windows and doors, to long lasting, innovative decking, fencing and railing, AWS is ready to supply you with the quality you desire along with the outstanding customer service you deserve.

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Vernell Barnes, Architect is a small design firm located in the Metropolitan Atlanta area and began operations in January 1997. Vernell Barnes has more than 25 years of experience for a variety of institutional, residential, corporate, commercial, and retail projects.

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VEKA EUROVIEW 70 DS SYSTEM:

The system that was chosen for the Natural Body Spa and Shoppe was the Veka Euroview 70 DS. The system has a 70mm (2-3/4") frame depth. It's thermal properties are achieved by a 5-chamber air-pocket system in all frame and sashes. Frame and Sash profiles are all steel reinforced, to provide the structural strength, and decrease the thermal expansion factors, inherent in PVC systems.

Slightly rounded edges give the classical design to the EUROVIEW System.

High Thermal Insulation Values up to $U_w=1,0 \text{ W/m}^2\text{K}$ (U-Value 0.176 BTU/H*ft²*F, R-Value 5.7) are achievable (depending on glazing) and reduce heating costs noticeably.

High-quality gaskets, are standard in an attractive grey and comprise a system of dual compression-seals that keeps the cold, draft and moisture outside.

Galvanized Steel Reinforcing used according to VEKA fabrication requirements, supports the structural integrity and operational reliability.

3 Chamber Profile with a basic overall depth of 70 mm (2-3/4"): is an ideal use of dead air's natural insulating characteristics.

Option:
Recessed sash



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NB Natural Body spa and shoppe



Natural Body Spa

Architect: **Kristen Ware, Architect**
 Services Provided: **Design/Build**
 Location: **Forsyth, GA**
 Owner: **Cicci Coffee, Natural Body Spa**

Project Description:

The sustainable features of the Forsyth space include Veka windows that are 100 percent recyclable PVC and air tight, which helps cut down on energy usage. Reclaimed barnyard wood flooring will be used in the retail area, and eco-friendly Kirei panels in retail cabinetry are made with stalks of sorghum, a type of grass. High-energy efficiencies will also be used, such as LED lighting, energy rated HVAC system, Energy Star appliances and tankless water heaters.

The new construction retail space involves a total of 265 sq ft. of storefront, a vestibule entrance with a 6' 6" x 8' double door. It utilizes the Veka 70 DS Window System, creating two storefront panels to the left and right of the vestibule type entrance. The framing material is extruded in a caramel color and laminated with a Renolit exterior foil (Woodgrain - Golden Oak) on the interior and exterior in order to create the natural look of wood.

Store Address:

**The Avenue Forsyth
 410 Peachtree Pkwy
 Suite 4116
 Cumming, GA 30041**

PH: +1 678 455 3181

Technical Specifications

Application:	Natural Body Spa and Shoppe
Location:	Forsyth, GA
Profile System:	Veka Euroview 70 DS
Color:	Golden Oak laminate on caramel vinyl
Units:	Fixed Windows, Storefront, Doors
Glazing:	Cardinal LowE3, 1" IG overall
Dimensions:	6 Fixed Windows 1 Double Door 6'-6" x 8' w/Top Lite 265 Sq. ft. Storefront
Hardware:	Winkhaus Hardware



VEKA's Euroview PVC windows and doors provide superior energy efficiency and sound transmission control.



PVC windows and doors are low maintenance and retain color for a lifetime.

The decision to use PVC windows, doors and storefront from Veka was based on the analysis and technical support documentation in comparing PVC to the traditional aluminum solution. PVC offers a clear advantage in regards to the thermal properties, better energy efficiency (U-Values), and in conjunction with the right glazing option, better sound control (noise).

In addition, the ability to provide a woodgrain (Golden Oak) lamination on the interior and exterior of the PVC profiles, to simulate the "natural look of wood", encouraged the owner and architect to pursue an all PVC solution for this storefront.

The energy efficiency of PVC frame material for windows and doors has been proven for many years in the residential area. Now Veka can offer the same advantages in the commercial area with the Euroview product line.

Selecting the proper glazing option also played a major role in the energy efficiency of the entire system. Cardinal provided a 1" insulated IG with Low E3 coating, (Cardinal LowE3 - 366) the ultimate performance glass. LowE3 - 366 delivers the ideal balance of solar control and high visibility. And it provides the highest levels of year-round comfort and energy savings regardless of location.



VEKA's Euroview wood grain laminated PVC Windows and Doors provide a "natural looking wood décor".

Natural Body Spa, Forsyth, GA

Since 1989, Natural Body Founder Cici Coffee has sourced and continued to find new ways of utilizing sustainable woods, post-consumer materials and recycled elements in the construction of the company's spas. Her environmentally conscience approach gives each spa a distinctive look and feel. At Natural Body Webb Gin, the spa was built to high eco-standards. These standards distinguish building projects that have demonstrated a commitment to sustainability, and emphasizes state-of-the-art strategies for sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.



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Ware+Associates, Architect is a small architect firm located in the Metropolitan Atlanta area. They specialize in retail, office, mixed-use, religious, educational, industrial and interior designs.

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