



## Commercial Window Case Study

VEKA Inc. is the North American 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.

### VEKA EUROVIEW 70 DS SYSTEM:

The system that was chosen for use in Natural Body Spa was the VEKA Euroview 70DS. The system has a 70mm (2-3/4") frame depth. 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** up to  $U_w=1,0 \text{ W/m}^2\text{K}$  (U-Value 0.176 BTU/H\*ft<sup>2</sup>\*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.

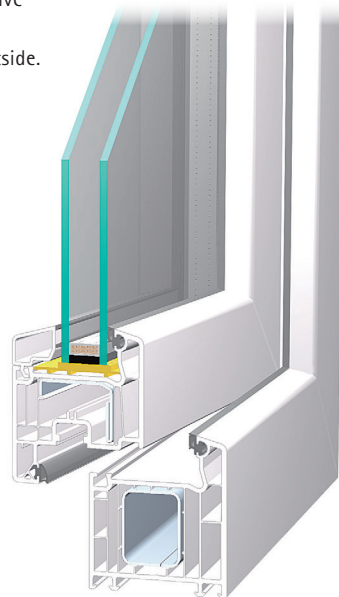
**Galvanized Steel Reinforcing** used according to VEKA fabrication requirements, supports the structural integrity and operational reliability.

**Five 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 conditioned 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.



## Natural Body Spa

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 is 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 were also 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.

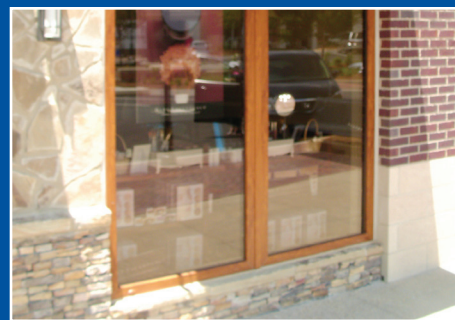


## Case Study





VEKA's Euroview window and door systems are the smart choice, classic design and an economical solution.



VEKA's Euroview PVC windows and doors provide superior energy efficiency and sound transmission control. Attractive high quality hardware provide years of smooth trouble free operation.

## PROJECT DETAILS

Project Name:	Natural Body Spa & Shoppe
Location:	Forsyth, GA
Owner:	Cicci Coffee, Natural Body
Architect:	Kristen Ware
Construction Type:	New Construction
Products:	Fixed Windows, Swing Doors
Square Footage:	265 sq. ft. storefront

## TECHNICAL SPECIFICATIONS

Window System:	VEKA Euroview 70 DS
Color:	Golden Oak laminate
Glazing:	Cardinal LowE3, 1" IG overall
Hardware:	Winkhaus Hardware
Number of Units:	6 Fixed Windows 1 Double Door 6'x 8'w/top lite 265 sq. ft. storefront

### Unique Requirements/Solutions

- In order to respect the owner's environmental principles the VEKA Euroview 70 DS was selected to afford both comfort and energy efficiency. The systems thermal characteristics are achieved through use of a 5-chamber dead air-pocket system in all frame and sash as well as insulated glazing panels that deliver the ideal balance of solar heat control and very high visibility. The window and door profiles are all fabricated with warm to the touch non heat conductive PVC.
- To honor the owner's sustainable approach VEKA vinyl with a natural looking golden oak woodgrain laminate was chosen. While avoiding the use of precious hardwoods these windows and doors will never need to be stained, painted, UV treated or watersealed. This saves not only time and money but keeps potentially harmful fumes and chemicals from being introduced into the environment. Unlike wood products the PVC members are immune to swelling under humid conditions.

Since 1989, Natural Body Founder Cicci 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.

### Natural Body Spa and Shoppe

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Since 1967, Ware + Associates has been striving for compelling, cost effective design and superior relationships with clients. They have a wide variety of experience in commercial, corporate interiors and residential design and find that our broad expertise brings great value to each one of our projects. Under the supervision of David and Kristen Ware, Ware + Associates seeks to provide clients with a rewarding experience and successful project. Their long-term repeat clients and client referrals speak for the quality of service provided.

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