



VBUCK® Outperforms Standards of Engineering Tests

Vinyl Technologies, Inc. contracted with Architectural Testing, Inc (ATI), an engineering firm from York, Pennsylvania to test VBUCK® for impact, combustibility and thermal performance. The results are back and they are excellent.

ATI conducted test protocols for High Velocity Hurricane Zones, Protocols TAS 201-94 and TAS 203-94 on three VBUCK® brand vinyl window bucks. TAS 201-94, Impact Test Procedures, pass. What does this mean to architects, builders and home owners? It means that VBUCK® will survive impacts of 50 feet per second (34 MPH) with a projectile that weighs 9 pounds. TAS 203-94 Criteria for Testing Products Subject to Cyclic Wind Pressure Loading, pass. The samples tested met all performance requirements set forth in each protocol for a ±130 psf Design Pressure rating (ATI Performance Test Report, 09/21/05).

ATI performed further testing which included ASTM D 1929-96, Standard Test Method for Determining Ignition

Temperature of Plastics, pass. It means that VBUCK® will not ignite unless a flame is 392° C (738°F). They also performed

Property	ASTM	Value/VBUCK®
Thermal Performance 8", 11", 13"	THERM 5.2 Computer Simulation	8" R- 2.28 11" R-2.82 13" R-3.08
Flash Ignition Spontaneous Ignition	D 1929-96 D 1929-96	392° C (738° F) 481° C (898° F)
Flame Spread Rate of Burn Density of Smoke	E 84 D 635-98 D 2843-99	No sustained burn Class C1 Rating 51.1
Pullout Strength		250 lbs. VBUCK® 400 lbs. w/Cellular PVC insert
Impact Test	TAS 201-94	Pass
Cyclic Wind Pressure Loading	TAS 203-94	Pass
Toxicity		No greater than any other organic material

ASTM D 635-98, Standard Test Method for Rate of Burning and/or Extent and Time of Burning Plastics in a Horizontal Position, pass. VBUCK® obtained a Class C1 rating. This means VBUCK® will not sustain a flame when exposed to fire. It will turn to ash. VBUCK® also passed ASTM D 2843-

99, Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics. This means that VBUCK®'s average smoke density rating is 51.1. If VBUCK® burns, visibility of an "exit" sign in a room is good.

ATI also conducted a computer model thermal analysis to determine the R-Value of VBUCK®. All simulations were conducted using cross sections of the product. The dimensions tested were 8", 12" and 13" widths. The thermal resistance or R-Value of each width is 2.28, 2.82, and 3.08 respectively (ATI Thermal Performance Computer Simulation Report, 10/05/05).

Not only are these tests great news for Vinyl Technologies, but they enhance architect and builder confidence when specifying VBUCK® for building projects. These tests helped gain Florida Code approval (FL5428) for VBUCK® as well. "This testing only validates what we always knew about VBUCK® that it is tough, durable and energy efficient," states Bruce Anderson, general manager of Vinyl Technologies.

Phenomenal Year Attributed to Both Distributor and Builder Loyalty



**Bruce Anderson
General Manager, VTI**

2005 was a phenomenal year for Vinyl Technologies, Inc. We attribute our growth to the success of our dedicated distributors and builders and to the innovative manufacturers of Insulating Concrete Forms. Without you who work to stock, sell and distribute VBUCK® products we would not be in business.

This year we added a compliment of new and innovative products. The Yoke and Tie is now the norm for bracing VBUCK®, along with the new, ten times stronger, ABS VBRACE™. We also re-introduced VBUCK® for use in poured walls. This helped increase regional sales and national interest.

We hope the engineering testing we have performed will aid in the sale of VBUCK® in high wind areas and where type 2 commercial construction requires this testing.

In 2006 we have several innovative plans and hope they will add to our distributors' and builders' profitability and homeowner satisfaction.

New Pre-assembled Vents

Whether a builder requests a manual vent or temp vent, Vinyl Technologies can accommodate the needs of both ICF and Poured Wall builders. The manual vent is made of VBUCK® and a custom made vinyl vent assembly with easy side-to-side manual operation. An ultra durable fiberglass screen and galvanized fasteners are used to prevent rusting .

Vinyl Technologies' temp-vent opens and closes automatically depending on the outside temperature. Simply install the temp vent and forget about it.



Call VTI about ordering these Temp Vent In VBUCK® pre-assembled vents for your next project.

Burton Lumber Inks Distributorship for VBuck® for Removable Forms

Since 1995, when Vinyl Technologies first incorporated, the company sought forward thinking, loyal distributors for its products. After years of informal distribution, Burton Lumber, and Vinyl Technologies made an official commitment to the distribution of its window block-out for openings in poured walls.

"I personally started selling VBuck® in 1995 when it was first developed," states Bob Russell, General Manager of the Logan



This builder knew what to do with steel block-outs. He replaced them with VBuck®

store. "We have been selling it (VBuck®) at Burton Lumber Logan since 1999. It is a high quality product and a great alternative to wood or metal bucks at about the same cost. It offers a nicer finished product to the home owner with no maintenance. Also the folks at V-Buck are very service oriented."

Burton Lumber was founded in 1911 by Willard C. Burton. It is family owned and operated by the fourth genera-

tion of Burton's. Burton Lumber is the largest family-owned and operated business in Utah with over 450 employees statewide. It services much of the West Coast including Idaho, Nevada, Colorado, Wyoming, and as far north as Alaska. Burton Lumber does some business on the East Coast as well.

Burton Lumber ranked 49th in the Nation 2 years ago for sales, distribution and production of items for a family owned and operated business. They are also the oldest lumber company native to the Salt Lake Metropolitan Area.

VTI thanks Burton Lumber for its years of dedication to the building industry.

Long-time ICF Builder and Trainer, Steve Borgeson to Join VTI in February

"I believe in ICF construction and live in an ICF home," says Steve Borgeson, new member of the Vinyl Technologies staff.

When speaking about the addition of Steve Borgeson to the VTI team, Bruce Anderson enthusiastically states, "In the ICF industry it is difficult to find someone with the kind of technical and sales background Steve brings with him."

Steven Borgeson received his contractor's license in 1991 after retiring from the USMC. He received training on the installation of Insulating Concrete Forms (ICF) from LITE-FORM INTERNATIONAL in March of 1994 in Sioux City, Iowa, and built his 1st ICF project

in Blacksburg, Virginia that summer.

Steve continued to use different ICF systems until April of 1999 when he went to work for Mid-Atlantic Foam as a Sales representative and trainer for Lite-Form, Fold-Form and ThermaEZE ICF Systems and Lite-Deck Concrete Roof & Flooring Systems.



He is a member of the Insulating Concrete Form Association (ICFA) and has given classes during their meetings & expos, on the installation of Lite-Deck. Steve has also taught classes to

County Code Compliance Departments on how to inspect ICF systems in Virginia and Maryland.

Steve has been involved in building six ICF projects for Habitat for Humanity, numerous commercial and hundreds of residential projects. He successfully completed the National Association of Home Builder's course, *Building with Insulating Concrete Forms* in May, 2005. "We feel Steve will enhance our sales and support staff and be an excellent resource for our builders and distributors. His location in the east is especially good for VTI," Anderson remarks.

Steve can be reached at 1-540-786-2532 or steve1@vbuck.com.

Good Stuff From The Field

— A blend of the old and new in Silver City, NM

In early December, just after a cold front moved through beautiful Silver City, New Mexico, I visited with Jim Lane of Black Hawk Southwest. Jim spent the morning showing me both finished and in-process projects in and around Silver City.

If you have never ventured to New Mexico, make this truly Western town one of your first stops. In the historic area, you are treated to raised sidewalks, old time hotels, antique stores, fudge and excellent green chili.

Silver City is a perfect blend of old and new. The home pictured here originally built in the mid 1800 is now a mix of adobe with Polysteel and



VBuck®. The core and most dilapidated portion of the home was removed and the

ICF structure was built between the two remaining portions.

An upper portal overlooks the city and

is part of the master suite. The lower level ICF section includes a spacious great room and kitchen, while the adobe portions will be used as an office and extra bedroom. The home sits on a double lot which will be the home to beautiful gardens when construction is finished.

This project, developed by Daivd Lawrence of SunUp Design/Build is another example of the creativity and innovation of Insulating Concrete Form builders and homeowners.

—Audrey Anderson, Marketing Director

Audrey has been visiting ICF/VBuck® building sites throughout the country for the past several months. "Good Stuff From the Field" is a regular feature of the "Porcupine Press." If you would like her to visit your ICF project, please contact her at her office 505-689-1306 or audrey@vbuck.com.

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