

SCOTT SYSTEM

INFORMER

THE ART OF CONCRETE TEXTURES

Residential Construction Shows Concrete Trend

Recent figures from the National Association of Homebuilders reveal that more than 16% of new U.S. homes constructed in 2004 were built using concrete wall construction. Statistics for 2005 and years ahead are sure to rise due to the rebuilding of homes lost to natural disasters and to the growing public awareness of the benefits of concrete. Concrete construction, which includes ICF (insulating concrete forms), autoclaved aerated concrete, masonry, precast, tilt-up or cast-in-place is advantageous on many levels:

Versatility and Beauty—Whether you prefer a traditional bungalow or a contemporary mansion, concrete and creative options go hand in hand. Since it can be molded to take any form, the design possibilities are limitless. You may choose to allow the concrete to be revealed as part of the exterior texture in any detail imaginable, or you may cover up the structural concrete with any “skin” desired such as stucco, brick, wood, vinyl siding or other finishes.

Durability and Economy—Concrete offers great structural strength, requires minimum maintenance, and resists pests and corrosion year after year. The initial purchase price of a concrete home is slightly higher than wood-frame homes, but the investment will pay you back in terms of operating costs and quality of living. The mass of concrete allows for lower utility bills, reduced insurance premiums, fire/disaster resistance and a quiet comfort that is unsurpassed.

Concrete home construction, whether for single or multifamily projects, has been the norm in Europe and other parts of the world for decades. Increasing energy costs and the environmental impact of lumber are key factors driving the U.S. concrete housing trend. ICF has

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Brick Snap®

The best brick inlay system for precast and site-cast concrete.

Flex-Liner™

Unique and unlimited textures for architectural concrete.

**News from
Scott System, Inc.**



The Santorini Apartment complex in Melbourne, Australia is an excellent example of a high-rise precast housing structure with brick-embedding concrete. Photo courtesy of Daniel Robertson Ltd., Melbourne.



Rendering for Habitat for Humanity concrete housing project planned for Yonkers, NY. Equus Group, Belmont, MA and Oldcast Northeast Precast.



The “Chateau” (a 2005 Parade of Homes winner) is a 7,345 square foot luxury home in Durham, NC. Constructed by Ruffy Homes Inc., using cast-in-place construction. Designed by Davenport Architecture & Design, Cary, NC.

FORMLINER FORUM

■ ■ ■ www.scottsystem.com ■ ■ ■

"At Home with Concrete" Mega Demo at WOC

The annual *World of Concrete* trade show and convention is only weeks away and this year's WOC promises to highlight the latest and greatest products available in the industry. One of the key events at the 2006 show is a two-day mega demo featuring concrete housing. The demo, sponsored by the NAHB's Concrete Home Building Council, will bring together a variety of building trade associations and a team of suppliers to showcase a number of wall construction systems. Attendees will have an opportunity to see **tilt-up**, **precast**, and **poured-in-place** methods along with **ICF** and **masonry** processes.

Scott System is pleased to be a part of these demonstrations, providing form liner textures and Brick Snaps® geared for residential use. One of the demos will feature tilt-up panels forming three sides of a home. The walls will include window and door openings and display brick and siding textures along with a scallop roof pattern. In light of the severe damage sustained by recent hurricanes, Scott System will provide patterns similar to those seen in residential architecture along the seacoast

Another demonstration will show the speed and versatility of removable/reusable concrete forms. Scott System's Rim Snap™ will be used to show how integrally-cast brick can be utilized in vertically-formed concrete walls.

Precast, ICF and Post-Tensioned Foundation applications will make up the rest of the concrete housing mega demos. Various concrete trade associations and prominent industry suppliers will participate allowing attendees a fantastic opportunity to network and learn about many concrete construction systems.

At Home with Concrete will be held on January 18 and 19 in the Silver Lot in front of the Central Hall of the Las Vegas Convention Center. For more information on the demo, contact Dawn Faull of the Concrete Home Building Council at dfaull@nahb.com. For more information about Hanley Wood's World of Concrete visit www.worldofconcrete.com.

See us
At WOC!

Scott System is in booth #N1374
Dates: January 16 – 20
Las Vegas Convention Center
Las Vegas, NV



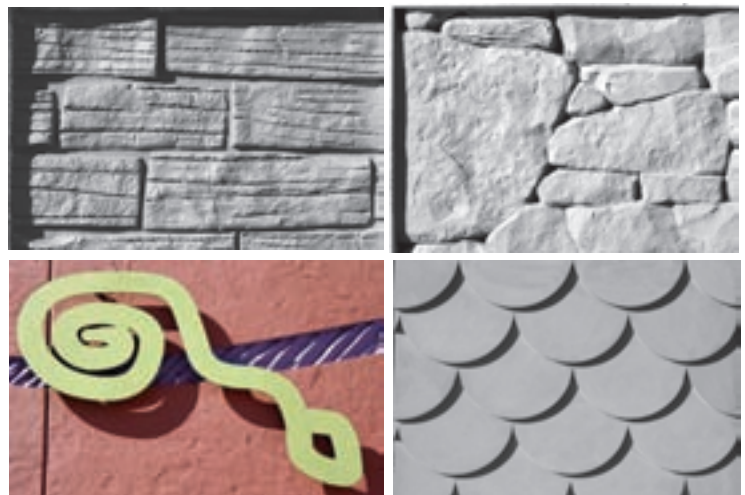
Scott's booth located in the NORTH hall between the PRODUCER CENTER and the TECHNOLOGY AREA at the end of aisle 1300.

More Textures Added to Scott's Library

We recently added 20 new form liner patterns and drawings, including a handful of contemporary geometric textures to our pattern library. More than 120 textures can be viewed at www.scottsystem.com by going to menu option: "Architectural Form Liners" and clicking on the "TEXTURES" tab. Clicking on a category icon such as "STONE" will reveal the many variations we offer in that specific category.

New project photos have been added to our "PORTFOLIO" pages with more images ready to add in the immediate future. Keep www.scottsystem.com in your "Favorites" folder to see up-to-date job photos, industry news and much more to spark your concrete imagination. In early 2006, an updated print catalog will be available too!

Top left: Fence Stone form liner; top right: Blackhawk Drystack form liner; bottom left: "Spaghetti Bowl", Las Vegas, NV features Oregon Basalt and Rocky Mountain Flagstone textures, Capriati Construction, photo by Mike Valdez; bottom right: Scallop form liner.



ANOTHER BRICK IN THE WALL...

■ ■ ■ www.bricksnap.com ■ ■ ■

Residential Construction...

Continued from page 1...

been the fastest growing segment but precast, tilt-up and cast-in-place concrete wall producers continue to increase their market share as well. Precasters like Oldcastle Northeast are leading the charge by producing panels for a variety of housing projects from affordable housing town homes to upscale, high-rise condominium projects. Dow's T-Mass® precast home-building system is another popular option for precast detached homes. Similarly, tilt-up and cast-in-place contractors are making major inroads into the concrete housing market with the promotional help of the Concrete Homes Council, a division of the Concrete Foundations Association.

While the various players may compete for a slice of the concrete housing pie, the fact remains that demand is growing as is the business potential for everyone involved. In the spirit of cooperation to further promote the use of concrete homebuilding, another noble trend has emerged: Building and concrete trade associations in partnership with a multitude of producers are donating the latest in concrete technology as well as their time, money and products for Habitat for Humanity projects.

More information about concrete homebuilding can be found at the following websites:
www.nahb.org
www.concretehomescouncil.org
www.cement.org
www.concretehomesmagazine.com
www.residentialconcrete.com



Left: Concrete homes provide excellent R-value for energy economy and year-round comfort.

Below: Precast concrete bungalow-style homes were built in 1971 in a Denver subdivision. Scott System provided the wire-cut, brick texture formliner for this project.

Below: Melrose Commons II Partnership Homes in South Bronx are precast townhomes to meet a need for affordable housing. Oldcastle Northeast/Chase Precast. Danios Architects and Equus Design.



Below: Velocity, a precast luxury condominium project is currently under construction in NJ. Oldcastle Northeast/Chase Precast. Designed by Equus Design Group, Belmont, MA.



Ask Smart Alec...



Q: Dear Smart —I know there are cities in Oregon and Maine both called Portland, but which one gets credit for *Portland cement*?
Signed, Clay C. Mint

A: Dear C.C. Mint., The term Portland cement does not originate from the U.S., but rather from the U.K. and the Isle of Portland, a large, sloping bank of limestone connected to Great Britain's mainland. Portland cement was invented in 1824 by a British bricklayer named Joseph Aspdin who combined ground limestone road surfacing

and clay, and discovered that the mixture could be formed into a strong type of cement. The product reminded him of the stone quarried on the Isle of Portland. Incidentally, Aspdin was later arrested for collecting the "public dust" from the road. The U.S. started producing Portland cement in the 1870s and it is one of three main components in concrete along with water and aggregate. See C.C.? And thank you for your question.

—S.A.

If you have a question for SMART ALEC, please forward it to danas@scottssystem.com.



SYSTEM

the art of concrete textures

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Mega Demo at WOC**

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**World of Concrete
January 16-20 in Las Vegas**

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**See New Textures at
www.scottsystem.com**

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**News from
Scott System, Inc.**

*Happy Holidays
from
Scott System!*



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