The 2011 New American Home showcases some of the most sustainable building products available for all International Builders Show attendees to see. But unseen behind the walls is a system as impressive and sustainable as any, the Charlotte Pipe® Quiet House® system.

The Quiet House system features cast iron pipe and fittings along with RePVC® pipe, both of which are manufactured using recycled content. By using cast iron strategically in the waste lines this unique system eliminates the sound of water from fixtures on floors above flowing down behind the walls, thereby improving the indoor environmental quality of the home. In fact, a Quiet House system is twice as quiet as an all-plastic system.

Charlotte Pipe’s FlowGuard Gold®, a premium Copper Tube Size (CTS) CPVC Pipe and Fittings system, is also used in the home.
CAST IRON

Cast iron pipe and fittings are made from 100% recycled content, resulting in millions of tons of scrap iron being diverted from landfills over the last several decades. Everything from refrigerators to car engines are melted in our cupola to produce a product that is not only “green,” but durable. Cast iron has been, and in some cases still is, in use after more than a hundred years of service.

RePVC®

Unlike traditional PVC pipe, the center layer of RePVC is made from 100% recycled material, slowing the consumption of raw materials and reducing the amount of waste entering landfills. The inner and outer skins are made of virgin materials.

RePVC is a coextruded, solid-wall Schedule 40 pipe. It is easy to install, maintenance-free and it meets the industry standards for traditional PVC DWV pipe. This means it can be used in the same applications and achieve the same great results.

FLOWGUARD GOLD®

FlowGuard Gold is CTS CPVC piping for hot- and cold-water distribution. It is also energy efficient, with better heat retention and lower hot water heating costs as compared to metallic systems. It is for pressure systems where temperatures will not exceed 180° F.

It can withstand high pressure for long periods, does not rust or corrode and it is easy to install. In fact, no primer is needed with a FlowGuard Gold system.
ABOUT THE NEW AMERICAN HOME 2011:

The home has been built to showcase the latest breakthroughs in green building and construction technology and utilizes a state-of-the-art energy efficiency package. It is aiming for Emerald status under the National Green Building Standard.

*All Charlotte Pipe® products used in this project are part of the Charlotte Pipe TrueFit® system. As the only manufacturer of both cast iron and plastic pipe and fittings, Charlotte Pipe manufactures products to a tighter spec than ASTM requires. This, our TrueFit system, reduces tolerances and ensures a consistent, snug, leak-free fit.

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