



We here at Florida Engineering Solutions would like to offer some helpful reminders that we feel can benefit all of you.

This Month, we have featured fire related statistics and hope that it will get you thinking about safety in your own home. Even a small fire within your home can be devastating. The actual fire may not cause much damage, but the smoke can infiltrate every square inch of your living space and effect all that you own.

In addition we offer some helpful information from our favorite people at the government and also some pretty cool "green" news.

Sincerely,

**John Hoy, President
Florida Engineering Solutions, Inc.**

Home Fire Information:

Featured Article



Take a look at some of these fire statistics - you may be surprised.

Geek Speak!



I'm from the Government
and I'm Here to Help!!!

What's Going On!





Home Structure Fires:

U.S. fire departments responded to an estimated 386,500 homestructure fires in 2008. These fires caused:
2,755 civilian fire deaths
13,160 civilian fire injuries
\$8.2 billion in direct damage.
Roughly 83% of all civilian fire deaths in 2008 resulted from structure fires.

Causes and Circumstances of Home Fires:

Details from the U.S. Fire Administration's National Fire Incident Reporting System show that in 2003-2006:

- * Cooking equipment was the leading cause of home structure fires and home fire injuries.
- * Heating equipment was second on the list followed by Electrical / Lighting and intentional.

The Fifth was our own washers and dryers:

Washer and Dryers Fact Sheet;

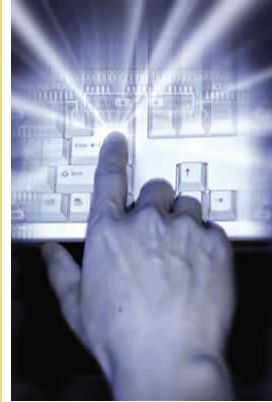
In 2006 , an estimated 17,000 reported U.S, Non-Confined structure fires involving clothes dryers or washing machines (including combination washer/ dryer) resulting in an estimated:

15 Civilian Deaths

360 Civilian Injuries

Green - Green - Green!!! No-It's not Nascar, but something that is catching on just as fast.

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\$194 million in direct property damage.

Leading items first ignited in Non-Confined Fires involving clothes washers and clothes dryers.

Click the link below for a wealth of information on Fire Stats and Information.

[Home Fire Stats](#)

Geek Speak

EPA's new lead rule - "The Lead: Renovation, Repair, and Painting Rule (RRP) - will have significant impact on contractors doing work on buildings built before 1978. After April 22, 2010, companies working in pre-1978 buildings where children under the age of six (or women who are pregnant) are present on a regular basis will be required to comply with the new RRP rule.

Companies will now be required to be EPA certified to perform work in these buildings. Reports indicate that fines could reach \$37,500 per infraction, per day. In addition to possible fines, companies could be threatened with lawsuits for noncompliance.

For more detailed information on this rule and requirements, follow the provided links below:

<http://www.remodeling.hw.net/codes-and-standards/first-lead-deadline-looms.aspx>

<http://www.remodeling.hw.net/legislation/what-epas-lead-rule-means-to-remodelers.aspx>

<http://www.epa.gov/lead/pubs/renovation.htm>

Florida Engineering Solutions can provide assistance with your next project - Give us a call - we would be happy to help. www.florida-engineer.com

What's Going On?



One of the highlights at November's Greenbuild 2009 show was the Concrete Home of the Future. With just over 1,300 sq ft it's one of the more modest show homes built in recent years. The home is built with insulating concrete forms (ICFs) and uses a range of off-the-shelf products to achieve net zero energy use. The home is so efficient that it's already been awarded LEED-Platinum status. A major share of the home's affordable, energy-saving design is the exterior walls built from a new kind of ICF. ICF panels, which are delivered to the job site pre-cut to the finished height of the wall. Steel furring strips make interior finishes easy. The wall uses a unique post-and-beam concrete design, with horizontal concrete beams at the top and bottom of the wall only, without the regular horizontal reinforcements most screen-grid designs have. The additional foam means less concrete is required to fill the wall, less pressure during the pour, and more insulation for the homeowner.

[Leed Platinum Home](#)

Florida Engineering Solutions

All of us at Florida Engineering Solutions appreciate you and your business. If we can be of any assistance with your next project, do not hesitate to contact us.

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