



## EPS No.1011

**Subject:** ICC ES Evaluation Report

**Date:** January 2008

Foam-Control EPS has a long history of complying with the model building codes of the U.S. Foam-Control EPS has historically been covered by individual code reports from each of the regional code evaluation services to show compliance to these model building codes. However, the ICBO ES, SBCCI PST and ESI, and BOCA ES have merged into the ICC ES (International Code Council Evaluation Service).

ICC ES code report ESR-1006 covers the use of Foam-Control products in compliance with the national and regional model building codes. This includes the 2006 International Building Code® (IBC) and 2006 International Residential Code® (IRC).

A summary of the ICC ES evaluation report process provided by ICC ES is attached to this bulletin to help provide a better understanding of the ICC ES and its role in the use of products such as Foam-Control EPS in compliance with the model building codes.

For more information on ICC ES, please visit their website at [www.icc-es.org](http://www.icc-es.org). A current copy of the Foam-Control EPS evaluation report is also available on their website.



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## ICC-ES Mark

### Abuses and Problems

Abuses arise when someone erroneously suggests that their product is approved by the AHJ or misrepresents the significance of an evaluation report.

When a product manufacturer without an evaluation report states in advertising, catalogs or product literature that its product is "Code Approved", it is making a self-certifying claim which has no bearing on an AHJ's decision. The product may or may not meet Code requirements. This can only be determined through an independent analysis that includes the evaluation of data and confirmation of manufacturing quality control.

A company holding an evaluation report may overstate the meaning of a report. Most importantly, having an evaluation report does not obligate the AHJ to approve the evaluated product. The report is simply technical evidence upon which the AHJ can approve the product if, on the job site, it is used within the report conditions. The approval decision lies with the AHJ.

Evaluation reports have product limitations based on the scope and conditions. An evaluation report on one product from the XYZ Company may not apply to all the company's products. Code provisions can impose limitations based on the building use, type of construction and location.

Accepting the product in the field without evidence to confirm compliance creates problems if there is a failure. Having evidence of code compliance, as with a valid, applicable ICC-ES evaluation report, provides the AHJ and manufacturer with independent technical verification. This type of justification is extremely valuable when use of a product is challenged.

### What to Look For

With the previous explanation of ICC-ES evaluation reports and how they should and should not be used, the following marketing terms raise red flags on "product approvals":

Approved or Certified	Code Approved
ICC or ICC-ES Approved	Code Accepted
ICC or ICC-ES Certified	

If products addressed in the code are not approved by the AHJ based on submitted evidence of compliance or if not covered by an evaluation report acceptable to the AHJ, the products on a job site are in jeopardy. At that point a code official could demand removal.

For products covered by evaluation reports, the code official, specifier, etc. has a basis of accepting them. Required identification on the product or packaging in compliance with a valid evaluation report provides a basis of approval by the code official. An evaluation report in good standing can be easily verified by viewing the report on the [ICC-ES web site](#) or calling the ICC-ES office at (800) 423-6587. Because evaluation reports are often revised at the request of the report holder to include new products, it is to everyone's benefit to verify that a current report addresses the products. Innovative products are vital to improving construction and lowering costs. Evaluation reports are an important tool in avoiding technical barriers that might prohibit their use.

Marketing references to an evaluation report number often refer to a group of products, but not necessarily an entire product line. If a manufacturer includes a general reference to an evaluation report number in marketing efforts on a website or in brochures or catalogs, responsible parties should consult a valid evaluation report to determine the extent of recognition.

### **The Road Ahead**

The code establishes minimum requirements for building construction. The authority having jurisdiction (AHJ) has the responsibility to enforce the code provisions. Responsible designers, builders and product manufacturers have an obligation to ensure that the AHJ's authority is not diluted or misrepresented.

To address the misrepresentations that have been described, a concerted effort is being initiated by ICC-ES to inform the building industry of verified infractions. Through this activity, information for the AHJ and other users of ICC-ES services will be better protected and the integrity of the ICC-ES product evaluation program preserved.

## **Implementing Alternate Material Provisions of the Code**

The code official utilizes the alternate material provisions in two ways in approving a building product. The official can perform his own analysis of evidence presented or can rely on independent, qualified sources that do the analysis and provide their findings.

Data can be provided to the AHJ for review and a decision. However, this places a significant burden on the code official. What are the underlying requirements of code language? Does the material meet them? Does a product listing address all applicable code requirements? Is the agency that tested the material qualified? Were the proper tests performed? Were all the tests performed? Is the material on the jobsite the same as what was tested?

An evaluation report, issued by ICC Evaluation Service (ICC-ES), facilitates the AHJ's use of alternate material provisions. ICC-ES is a subsidiary of ICC, promulgator of the I-Codes and successor to BOCA, ICBO and SBCCI.

ICC-ES is a consolidation of BOCA-ES, ICBO-ES, SBCCI PST&RSI and NES. ICC-ES engineers are familiar with Code requirements and can determine if a product complies. ICC-ES requires that the product be tested successfully by accredited laboratories. ICC-ES requires that a quality control system is in place so that future production of the product is the same as the product tested. Their report resulting from the evaluation is evidence on which the AHJ can base an "approve" or "disapprove" decision.

### **Product Identification**

Evaluated building products need to be clearly identifiable in the field. ICC-ES has requirements on labeling products, or their packaging, so that a code official can match the product to an evaluation report, and make a decision as to whether the product can be approved. ICC-ES requires the following information to be on the product or packaging:

1. Manufacturer's name
2. Product name if any.
3. Evaluation report number
4. Name of inspection (listing) agency when required

The ICC-ES mark is an optional feature which is not a substitute for the four items listed above. When the mark is used, the evaluation report number must also be displayed adjacent to it. Prior permission by ICC-ES to use the mark is required.