



ICC-ES NEWS RELEASE

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ICC-ES Issues ESR-3403 to Simpson Strong-Tie for Composite Strengthening Systems™

Report demonstrates manufactures reliance on ICC-ES' technical expertise

[ICC Evaluation Service](#) (ICC-ES), the experts in building product evaluation and certification, has issued [ESR-3403](#) to Composite Strengthening Systems (CSS), manufactured by Simpson Strong-Tie, providing evidence their fiber-reinforced polymer (FRP) comply with the code requirements of the 2015, 2012, 2009 and 2006 [International Building Codes®](#) (IBC) and [International Residential Codes®](#) (IRC).

The Composite Strengthening Systems (CSS) are externally bonded fiber reinforced polymer (FRP) systems applied to concrete structural elements. CSS consist of Carbon fabrics or glass fabrics combined with epoxy resin to create the FRP composite system, or a carbon fiber precured laminate applied with an epoxy paste.

“We are pleased to issue another report to Simpson Strong-Tie, a respected manufacturer who continues to innovate and understands the value, quality and wide acceptance of ICC-ES evaluation reports.” said ICC-ES President, Shahin Moinian P.E. “This ICC-ES report will provide code officials with the technical information needed to immediately approve this product for installation with confidence and peace of mind.”

ICC-ES thoroughly examined the Simpson Strong-Tie product information, test reports, calculations, quality control methods and other factors to ensure the product is code-compliant. “Our new code-listed carbon fabrics provide some of the highest design values in the industry. Full-scale testing is a requirement of the acceptance criteria for an evaluation report, which we were able to perform at Tyrell Gilb Research Laboratory in Stockton,” said Brad Erickson, S.E., CSS Engineering Manager. “Many specifiers will only include code-listed products in their specifications. With this report, our FRP products now meet that standard, including North America’s first code-listed precured laminates.”

About ICC-ES

A nonprofit, limited liability company, ICC-ES is the United States’ leading evaluation service for innovative building materials, components and systems. ICC-ES [Evaluation Reports](#) (ESRs), [Building Product Listings](#) and [PMG Listings](#) provide evidence that products and systems meet requirements of codes and technical standards. The ICC-ES Environmental Programs issue VAR environmental reports that verify a product meets specific sustainability targets defined by today’s codes, standards, green rating systems and ICC-ES [environmental criteria](#). The Environmental Programs now offer

Environmental Product Declarations ([EPDs](#)), to meet global market demand for science-based, transparent, quality-assured information about a product's environmental performance. ICC-ES is a member of the [ICC](#) Family of Companies. For more information, please visit www.icc-es.org.

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