



ICC
EVALUATION
SERVICE®

Your Premier One-stop Testing, Listing and Evaluation Service

BUILDING, PLUMBING, MECHANICAL, FUEL GAS,
AND SOLAR THERMAL PRODUCTS



ICC Evaluation Service, LLC

Experts in Building and Plumbing Product Evaluation

With over 90 years of experience and thousands of reports, ICC Evaluation Service (ICC-ES) is the industry leader in performing technical evaluations of building products, materials and systems for code compliance. Due to its diligence and unparalleled engineering experience, ICC-ES is the most widely accepted evaluation agency in the nation.

Known for its expertise in the code compliance and development of Acceptance Criteria for new innovative products, ICC-ES is a subsidiary of the International Code Council and is accredited by the American Association for Laboratory Accreditation (A2LA) and the ANSI National Accreditation Board (ANAB) to the requirements of ISO/IEC 17065, Standards Council of Canada (SCC) and EMA for Mexico.



Reports and listings issued by ICC-ES represent the highest quality reports providing manufacturers, building professionals and the industry with valuable tools to ensure safety on the construction site while allowing innovation to thrive.



ICC-ES issues the following reports and listings under the following programs:

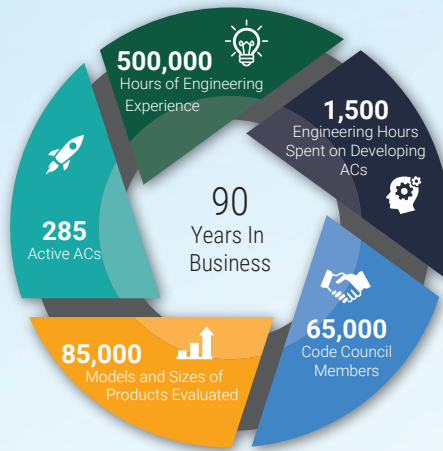
- Evaluation Reports Program (ESRs)
- Plumbing, Mechanical and Fuel Gas Listing Program (PMG)
- Building Products Listing Program (ESL)
- Environmental Programs (EP)
- Solar Rating & Certification Corporation (SRCC)
- Marketing Claim Verification Program (MCV)

Look for the ICC-ES Marks of Conformity

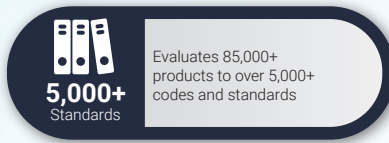
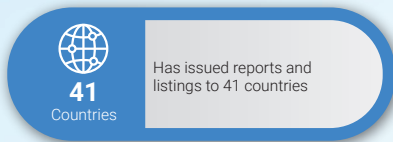


www.icc-es.org

ICC-ES BY THE NUMBERS



We can proudly say ICC-ES:



Simpson Strong-Tie supports the invaluable work that ICC-ES provides with their robust product evaluation program, along with their continuing technological growth and collaboration efforts. Similar to code development, their evaluation process includes implementation of publicly developed acceptance criteria reviewed and approved by code enforcement officials. This practice inspires confidence, fosters consistency, and helps ensure that alternative products meet code intent, keeping construction costs reasonable and better protecting the public while making innovative alternative products available to the industry.

Jeff Ellis, P.E., S.E., SECB
Director of Codes & Compliance
Simpson Strong-Tie Company Inc.



Evaluation Service Report (ESR) Program

www.icc-es.org/evaluation



An ICC-ES Evaluation Report is a report on a specific building product and represents an independent evaluation of how the product meets performance and prescriptive provisions in the International Codes® (I-Codes®).

What's included in an ICC-ES Evaluation Report?

- Information on the product report holder
- A description of the building product and its intended uses
- The code(s) that were used to evaluate the product
- Instructions that identify requirements for proper installation
- List of data that were used in evaluating the product

ICC-ES Can Test and Certify:

- Fasteners
- Concrete Anchors
- Manufactured Wood
- Plastic Lumber
- Doors/Windows
- Air, Water & Vapor Barriers
- Cladding
- Wall Coverings
- Roofing Materials
- Wall Systems
- Flooring/Deck Systems
- Plumbing Products

And many more!

ICC-ES Acceptance Criteria (AC)

www.icc-es.org/ac

When a new or innovative product not adequately addressed by the code is submitted for evaluation, an AC is developed by the ICC-ES technical staff in consultation with the report applicant and with input from interested parties.

New criteria and revisions to criteria are approved by the Evaluation Committee (made up entirely of code officials) during open public hearings or – in selected instances – through an alternate process that involves the solicitation of public comments through the ICC-ES website. The AC addresses specific technical data, test standards and manufacturing quality-control items that are needed to justify approval of a product. The criteria are developed considering the broad concepts of life safety and preservation of property, along with code requirements for similar product uses.

Plumbing, Mechanical and Fuel Gas (PMG) Listing Program

www.icc-es.org/pmg



The ICC-ES PMG Listing Program is accredited by both ANAB and the Standards Council of Canada (SCC) and is approved by the City of Los Angeles. It certifies products in the areas of plumbing, mechanical and fuel gas.



An ICC-ES PMG Listing is a document issued for a product that has demonstrated compliance with applicable standards and has also demonstrated compliance with applicable international and uniform codes.

The ICC-ES PMG Listing Program assists manufacturers with the following:

- Listings for U.S., Mexican and Canadian markets
- Free certification to EPA's WaterSense specifications
- Free certification to S.3874, AB 1953 as well as NSF/ANSI 372
- Widest acceptance in North America
- No fees for additional company listings
- Quick turnaround times with significant savings over competitors
- No separate file for NSF 61

ICC-ES Can List and Certify:

- | | | |
|---------------|---------------------|---------------------|
| ▪ Faucets | ▪ Sink Products | ▪ Toilets & Urinals |
| ▪ Showerheads | ▪ Ceramic Fixtures | ▪ Drain Products |
| ▪ Bathtubs | ▪ Resins and Linear | ▪ Pipe & Fittings |

And many more!

WaterSense®



The WaterSense® Program protects water supplies by promoting water efficiency and enhancing the market for water-efficient products and practices.

ICC-ES PMG offers listings for water-efficient urinals, lavatory faucets, high-efficiency toilets, shower heads, flushometer-valve water closets and landscape irrigation controllers, in accordance with EPA specifications.

ICC-ES PMG works with manufacturers interested in receiving both the WaterSense® label and the ICC-ES PMG Listing Mark simultaneously. This program provides a one-stop shop for manufacturers to obtain a code-conformance listing, a WaterSense® listing, fast turnaround time and an opportunity for broad market acceptance.



We were looking for a reputable certification agency with strong name recognition that could deliver listings swiftly along with competitive pricing and responsive customer service. ICC-ES-PMG delivered.

Rubin Vigil
Compliance Engineer





The ICC-ES Listing Program provided the best service to us and helped drive our business to new record within 6 months. The team listened to our needs and provided solutions to ensure our listings were published on time.

Wenyi (Wayne) Zhang, P.E., M.E.
President
Ectek International Inc.



Evaluation Service Listing (ESL) Program

www.icc-es.org/listing



The ICC-ES Listing Program offers a fast and cost-effective way for manufacturers of building products covered by existing consensus standards to show their product compliance with applicable standard(s) referenced in the building codes and other applicable codes.



The ICC-ES Listing Program is open to manufacturers searching for a new listing for their product from the most recognized brand in the industry, as well as those who wish to transfer from their current certifier. ICC-ES can list manufacturers' products under any existing consensus standard.

The ICC-ES Listing can be completed within eight weeks from the date of application, along with applicable fees and successful review of the submitted data.

For code-enforcement professionals, the ICC-ES listing program provides peace of mind when approving products for installations.

Compared to an ICC-ES evaluation report (ESR), the ICC-ES listing covers specific products, which do have consensus standards. Moreover, the program covers only specific aspects of the product as outlined in the standard and specific related code sections.

ICC-ES Can List Your Products to the Following Standards:

- AAMA/WDMA/CSA 101/I.S.2/A440-11 – (Window/Doors)
- ASTM E84 / UL 723 – (Flame Spread Index and Smoke Developed Index Listings)
- ASTM E96 / ASTM D226 – (Roofing Papers, Water Vapor Transmission)
- ASTM E90 / ASTM E492 – (Sound Transmission)
- ASTM E136 – (Non Combustibility Listing)
- ASTM E119 / UL 263 – (Standard for Fire Test Methods [Insulation or Ceiling Products])
- ASTM E108 – (Roof Coverings/Roof Underlayments)
- CAN/CSA A23.3-14 Annex D, ACI 355.2 and ACI 355.4 – (Post-Installed Anchor Products – Mechanical Adhesive Anchors)
- CAN/ULC-S102 – (Test for Surface Burning Characteristics of Building Materials and Assemblies)
- CAN/ULC-S101 – (Fire Endurance Tests of Building Construction and Materials)
- CAN/ULC-S107 – (Roof covering products, components and systems that have been qualified to the requirements of ASTM E108 and UL 790)
- CSA O86 Engineering Design in Wood

And many more!



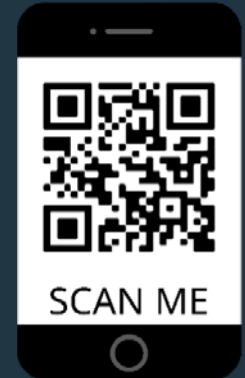
Global Certification

www.icc-es.org/global

Global service expansion by ICC-ES addresses conformity assessment requirements in countries worldwide.

Conformity assessment is critical to safety for residents around the world. Consumers require characteristics such as quality, safety, economy, reliability, compatibility, efficiency and effectiveness to be examined through conformity assessment.

ICC-ES offers solutions for global certification needs. Scan the code to access the **Global Conformity Assessment Guide**.



Australia and New Zealand

www.icc-es.org/aus-nz




Evaluation Service Reports produced by ICC-ES can be used as evidence of compliance to the Building Code of Australia (BCA) as well as the New Zealand Building Code (NZBC).

The National Construction Code (NCC) provides the minimum necessary requirements for safety, health, amenity and sustainability in the design and construction of new buildings throughout Australia. Fundamentals of the International Building Code, used in the U.S., are aligned with requirements of the NCC, allowing for a synchronized evaluation process.

MENA Region



ICC-ES is an approved international certification body for the Civil Defense Authority of the United Arab Emirates.



The ICC-ES Environmental Program is one of the first four entities to receive both eligibility and accreditation for its Type III EPD program by the American National Standards Institute (ANSI) under the requirements of ISO/IEC 17065-2012, ISO 14025-2006 and ISO 14020-2000.

Environmental Programs

www.icc-es.org/environmental-program

The ICC-ES Environmental Programs provide manufacturers with independent and comprehensive evaluation and/or certification that their products meet specific sustainability targets.



Currently, the ICC-ES Environmental Programs offer evaluations under the ICC-ES VAR Environmental Report Program and certifications under the Environmental Product Declaration Program.

The ICC-ES VAR Program issues reports that are used by code officials, government agencies, architects, engineers, specifiers and other interested parties as an independent, third-party assessment of a product or assembly.

Environmental Product Declarations (EPD)

EPDs provide a comprehensive disclosure on a product's environmental impact based on a life-cycle assessment (LCA). Examples of the environmental impacts declared within an EPD are greenhouse gases, ozone depletion and acidification of land and water sources. LCA reports detail the environmental impacts of a product across its life stages — material extraction, production, transportation, installation, use and end of life. The EPD summarizes the LCA in an understandable format consistent with the applicable product category rules (PCR). Using this information, consumers, building design teams, specifiers and other users can then make appropriate, informed product selections.

Solar Rating and Certification Corporation (ICC-SRCC®) Program

www.solar-rating.org

The ICC-SRCC Solar Heating and Cooling Program is accredited by A2LA and ema, and is approved by the City of Los Angeles as well as ENERGY STAR®. The program certifies products in the area of solar heating and cooling technologies.

ICC-SRCC provides OG-100 certifications for solar collectors, OG-300 certifications for solar water heaters and OG-400 certifications for solar pool heating systems required by many incentive programs and codes throughout North America.

The ICC-SRCC Solar Heating and Cooling Program assists manufacturers with:

- OG-100 certification for solar thermal collectors
- OG-300 certification for solar domestic water heating systems
- OG-400 certification for solar pool and spa water heating systems
- Certification to the EPA ENERGY STAR® Residential Water Heater program
- Proof of certification for Federal Investment Tax Credits for solar products

Codes and Standards Covered by ICC-SRCC Listings:

- Plumbing: International Plumbing Code (IPC), Uniform Plumbing Code (UPC)
- Mechanical: International Mechanical Code (IMC), Uniform Mechanical Code (UMC)
- Building: International Building Code (IBC), International Residential Code (IRC)
- Uniform Solar, Hydronics and Geothermal Code (USHGC) – Used by the City of Los Angeles
- Many other standards from organizations like CSA, IAPMO, NSF, NORMEX and UL

ICC-SRCC Can List and Certify:

- Solar Thermal Collectors (Glazed, Unglazed, Concentrating, PV-Thermal Hybrid)
- Solar Domestic Water Heating Systems
- Photovoltaic Water Heating Systems
- Solar Pool and Spa Heating Systems
- Solar Pump Stations
- Solar Storage Tanks

And many more!



I truly feel that no matter if my business is large or small, I am heard and the SRCC staff goes above and beyond to accommodate my company's needs.

Tara Byrom Prieto, President
Alternate Energy Technologies



ALTERNATE ENERGY
TECHNOLOGIES





Food Safety Certification Program

www.icc-es.org/food-safety

ICC-ES is a recognized provider of SQF Certification. The Safe Quality Food (SQF) Program is a rigorous and credible food safety and quality program that is recognized by retailers, brand owners, and food service providers worldwide.



The ICC-ES Food Safety Management Certification Program combines the experience and knowledge of a widely accepted certification body with systematic application of Hazard Analysis and Critical Control Point (HACCP) to provide a solution for businesses supplying local and global food markets.

Recognized by the Global Food Safety Initiative (GFSI), the SQF family of food safety and quality codes are designed to meet industry, customer, and regulatory requirements for all sectors of the food supply chain – from the farm all the way to the retail stores.

As an experienced and well-established certification body, ICC-ES offers more than a certificate. We have the expertise, experience, and global presence to support and guide you through the entire process, helping you to maximize the benefits of SQF certification.

The ICC-ES Food Safety Certification program addresses:

- Manufacturing
- Food Packaging
- Storage and Distribution
- Retail
- Foodservice
- Quality

Marketing Claim Verification (MCV) Program

www.icc-es.org/esv

ICC-ES offers a Marketing Claim Verification Program to help manufacturers better educate consumers on the efficacy of their building and plumbing products.

Through the program, manufacturers can work hand-in-hand with ICC-ES to verify their products' marketing claims through an objective and impartial process.

Marketing Claim Verification Report Product Categories

Building Materials

- Windows (e.g. R values, impact and thermal properties, STC ratings)
- Insulation (e.g. R values, STC ratings)
- Sealants and adhesives (e.g. curing times, bond strengths, temperature ranges, STC ratings)
- Anchors and fasteners (e.g. installation speed, curing times, bond strengths, temperature ranges, corrosion resistance and coating performance)

And many more!

Plumbing, Mechanical, Fuel Gas Products

- Toilets (flows and capacities) map testing
- Kitchen and vanity cabinets (performance – KCMA A161.1, shelf & joint loading)
- Faucets (fittings & accessories meeting min/max flow rates – and beyond)
- Shower heads / Rain showers

ES Marketing Claim Verification

Once a marketing claim has been verified by ICC-ES, a Marketing Claim Verification Report with a unique Verification Number (ESV #) will be issued and published at www.icc-es.org/esv-directory.

The ESV # can be used alongside a company's marketing claim.



Education

www.icc-es.org/education

ICC-ES provides ongoing educational resources and services for code officials, manufacturers, engineers and the design community.

- Free webinars discussing best practices for evaluating building products and providing CEUs for continuing education
- Video clips showing the use of evaluation reports and their benefits
- Articles on new ICC-ES Acceptance Criteria and explanation on revisions to the building codes
- Presentations on ICC-ES processes

With these tools, ICC-ES keeps code officials and building professionals abreast of the latest developments and best practices. For a complete list of educational resources and to register for webinars, please visit www.icc-es.org/education.

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and Speed Matter**



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