



Most Widely Accepted and Trusted

ICC Evaluation Service, LLC® (ICC-ES®)

ICC-ES® is a certification body accredited to ISO/IEC 17065 by American National Standard Institute (ANSI). With nearly a century of experience, ICC-ES® is the industry leader in performing technical evaluation of building products, methods, materials and systems for compliance with applicable codes, standards and green rating systems. Due to its rigorous and unparalleled engineering experience and technical expertise, ICC-ES® is the most widely accepted and trusted certification body nationwide and internationally.

ICC-ES® uses a unique and trusted process in evaluating roofing and waterproofing products, as well as other building products and materials. Many of the roofing and waterproofing products installed in the U.S., such as asphalt shingles, concrete and clay tiles, metal roof panels, metal shingles, single-ply roof membranes, single and two-component polyurethane waterproof coatings, sealing materials, and water-resistive membranes for wall applications, etc. are certified by ICC-ES.

ICC-ES® is also recognized by the U.S. Environmental Protection Agency (EPA) as a certification body to certify roofing and thermal insulation products under the EPA ENERGY STAR® Program.

ICC-ES® customers know that an ICC-ES® evaluation report (ESR) or a listing on their products provides code officials, architects, engineers, designers and installers with evidence of code compliance. Code officials frequently rely on ICC-ES evaluation reports or listings when approving a product, material or system for installation in their city, county or state.

To learn more about ICC-ES®, please visit www.icc-es.org.

美国国际规范委员会 - 评估服务有限公司 (ICC-ES®)

ICC-ES®是由美国国家标准学会 (ANSI)认可的,符合ISO/IEC 17065标准的产品认证机构。凭借着近一个世纪的经验,ICC-ES®是评估建筑产品,方法,材料及系统是否满足相关建筑设计规范,标准和绿色评级的权威机构。基于它严谨的和无与伦比的工程经验和专业技术专长,ICC-ES®在美国和国际上是最为广泛接受和值得信赖的认证机构。

ICC-ES®使用独特和值得信赖的方法来评估和认证屋面和防水材料以及其它建筑材材。许多在美国安装的屋面和防水产品:如沥青油毡瓦;混凝土和粘土瓦;金属屋面面板;金属瓦;单层屋面卷材;单组分和双组分聚氨酯防水涂料;密封材料以及墙体防水膜等都是通过了ICC-ES评估和认证的。

ICC-ES®也是美国环境保护署 (EPA)认可并授权颁发EPA能源之星®屋面及保温产品认证的机构。

ICC-ES®的客户都知道,ICC-ES®的评估报告会或证书书为政府审批官员,建筑师,工程师,设计师和安装人员提供了他们的产品符合设计规范的证据。政府审批官员常常依靠ICC-ES®的评估报告或证书书来审批某个产品,材料或系统在他们的城市,县或州安装。

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ICC-ES®的客户都知道,ICC-ES®的评估报告会或认证书为政府审批官员,建筑师,工程师,设计师和安装人员提供了他们的产品符合设计规范的证据。政府审批官员常常依靠ICC-ES®的评估报告或认证书来审批某个产品,材料或系统在他们的城市,县或州安装。

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屋面主要材料类型

主要屋面卷材类型	性能要求	测试标准	测试内容
EPDM 	抗风载	FM 4474	屋面组合件风的吸力和阻力测试
		UL 580	屋面组合件抗拔力的测试
		UL 1897	屋面覆盖系统的隆起测试
PVC 	材料物理特性 <small>(加速老化>2000小时)</small>	ASTM G152	非金属材料照射的弧光灯明火设备的标准惯例
		ASTM G154	非金属材料紫外光照射的荧光灯仪器的标准惯例
		ASTM G155	非金属材料照射氙弧灯仪器的标准惯例
TPO 	抗冲击荷载	ASTM D3746	沥青屋面系统的抗冲击性测试例
		ASTM D4272	通过飞镖滴的塑料薄膜的总能量的影响的测试
		CGSB 37-GP-52M	屋面和防水膜，板应用，人造橡胶准惯例
		FM 4470 Section 5.5	一类等级的屋面覆盖的评审标准准惯例
APP 	耐火等级分类	ASTM E108	屋面覆盖层的防火测试
		UL 790	屋顶覆盖材料的防火测试
SBS 			

ICC-ES简介:

- 美国国际规范委员会 (International Code Council 简称 ICC) 的下属机构;
- 美国国家标准委员会 (ANSI) 依照ISO/IEC 17065认可, 授权的产品评估和认证机构;
- 美国建材产品评估认证机构中知名度最高, 最具权威性的机构;
- 依据ICC出版的美国国际建筑规范 (IBC和IRC), 州际法规 (CBC和FBC), 美国通用的建材测试标准 (ASTM等) 和建筑设计规范 (ASCE 7等) 评估和认证产品;
- 联合相关机构依据IBC和IRC编辑并出版了一整套建材产品认证标准 (Acceptance Criteria, 简称AC), 并被美国建筑主管部门的审核官员, 建筑师, 工程师, 建筑设计人员, 制造商、和检测实验室广泛使用。
- 全美90%以上的建筑材料的评估报告是由ICC-ES颁发的;

选择ICC-ES的重要理由:

- 国际知名和认可 - 公开透明 - 客观独立 -
- 以客户为中心 - 严谨完整 - 费用合理 -

ICC-ES评估认证范围:

- 屋顶屋面覆盖系统
- 防水材料 (防水卷材, 防水涂料, 刚性防水材料, 防水瓷砖类材料, 建筑密封胶等)
- 夹芯板, 保温和防火材料等
- 混凝土锚件, 其他各类紧固件, 木梁支撑架等
- 各种创新性的建材等

ICC-ES 认证报告和LISTINGS:

ICC-ES的认证报告和LISTINGS是使您的产品进入北美市场极为重要的工具。目前已有上千家厂商的产品获得了ICC-ES评估认证报告。下面所列是部分获得ICC-ES评估认证报告的制造商:

- The Dow Chemical Company – ESR-2991
- DuPont – ESR-1993
- Guardian Building Products, Inc. – ESR-2793, ESR-2958
- CertainTeed Corporation – ESR-1388
- TAMKO Building Products, Inc. – ESR-1013
- GAF Materials Corporation – ESR-1274
- CertainTeed Corporation – ESR-1492
- MFM Building Products Corporation – ESR-1737

ICC-ES 能够为您做些什么:

- 如果您是制造商, 被广为接受的ICC-ES评估认证报告和LISTINGS为您提供了最有力的证据, 证明您的产品符合美国国际规范 (IBC和IRC等) 的要求, 从而使您的产品在北美建筑市场的营销更加便捷。因为政府审批官员、建筑师、工程师、设计师以及产品采购商可以在ICC-ES的官方网站 (www.icc-es.org) 免费下载您的产品评估报告和LISTINGS。
- 如果您是建筑规划师、建筑师、工程师、设计师、承包商或是产品采购商需要向当地建筑主管部门证明您所选用的产品或材料是否符合美国国际规范 (IBC和IRC等), ICC-ES和ICC-ES的评估认证报告和LISTINGS是您最佳的选择。
- 如果您是普通大众, ICC-ES同样会让您受益。ICC-ES积极推广公众建筑的安全性。另外, 您还可以使用ICC-ES的评估报告来选择产品, 以满足您的民用建筑的需求。



Introduction of ICC-ES:

- A subsidiary of the International Code Council (ICC).
- A product certifying body accredited by American National Standards Institute (ANSI) in accordance with ISO / IEC STANDARD 17065:2012.
- The most recognized certifying body of building products in the U.S.
- Performing product evaluations and certifications for compliance to the International Building Code® (IBC), International Residential Code® (IRC), California Building Code, Florida Building Code, ASTM, NFPA, FM, and UL test standards and specifications, and National design standards, such as ASCE 7, NDS etc.
- ICC-ES works with report applicants to develop ICC-ES acceptance criteria to evaluate alternative products for compliance with the IBC and IRC. ICC-ES acceptance criteria are widely used by U.S. building/code official, architects, engineers, building designers, manufacturers, and testing laboratories.
- The publisher of more than 90% of building product evaluation reports in the U.S.

Why ICC-ES:

- Internationally recognized and accredited - Open and transparent - Objective and independent
- Customer Oriented - Rigorous and Complete - Reasonable Fees -

Scope of ICC-ES Evaluation and Certification:

- Roof covering systems.
- Waterproofing materials (waterproofing membrane, waterproof coating, rigid waterproof material, waterproof tile class materials, construction sealant etc.).
- Sandwich Panels, Insulation and Fire Proofing Materials.
- Concrete anchors, Fasteners, Joist hangers, etc.
- New, innovative building materials, components and methods.

ICC-ES Evaluation Reports and Listings:

ICC-ES evaluation reports are a valuable tool for gaining access and product acceptance in the North American market. Thousands of product manufacturers have obtained ICC-ES evaluation reports to help sell their products in North America. Listed below are current ICC-ES evaluation reports issued to manufacturers of roofing and waterproofing materials:

- The Dow Chemical Company – ESR-2991
- DuPont – ESR-1993
- Guardian Building Products, Inc. – ESR-2793, ESR-2958
- CertainTeed Corporation – ESR-1388
- TAMKO Building Products, Inc. – ESR-1013
- GAF Materials Corporation – ESR-1274
- CertainTeed Corporation – ESR-1492
- MFM Building Products Corporation – ESR-1737

What ICC-ES can do for you:

- If you are a manufacturer, an ICC-ES evaluation report or a Listing can help sell your products in the North American market, because of its wide acceptance by code officials. ICC-ES evaluation reports demonstrate that your products comply with IBC and IRC requirements; and building/code officials, architects, engineers, designers and product buyers can download your ICC-ES Evaluation Report free of charge from the ICC-ES website (www.icc-es.org).
- If you're a building planner, architect, engineer, designer, contractor or product buyer that needs evidence to prove that a product or material you have chosen meets IBC and IRC requirements, ICC-ES reports are the preferred choice.
- If you are the general public, ICC-ES will give you the same benefit. ICC-ES actively promotes public safety. In addition, you can also use ICC-ES evaluation reports to select the products for your residential construction needs.

