



What's in an ICC-ES Evaluation Report

ICC-ES Evaluation Reports from ICC Evaluation Service® are the most preferred resource used by code officials to verify that new and innovative building products comply with code requirements. The ICC-ES Evaluation Reports provide information about what code requirements or acceptance criteria were used to evaluate the product, how the product should be installed to meet the requirements, how to identify the product, and much more. ICC-ES Evaluation Reports are divided into eleven major areas.

- 1 CSI Division Number**—ICC-ES Evaluation Reports, and the building products represented in them, are organized according to the Construction Specifications Institute's (CSI) Masterformat system.
- 2 Report Holder**—The name and address of the company or organization that has applied for the ICC-ES Evaluation Report.
- 3 Evaluation Subject**—The specific product(s) covered by the report.
- 4 Evaluation Scope**—The code(s) that were used to evaluate the product.
- 5 Properties Evaluated**—A brief description of the properties the product was evaluated against such as fire resistance and wind resistance. This section also shows if the product can be used for structural purposes.
- 6 Uses**—Identifies the scope of the ICC-ES Evaluation Report and relates the product evaluated to code provisions.
- 7 Description**—Provides a general description of the product and its features, such as length, thickness, etc.
- 8 Installation**—Identifies general and often specific requirements to help the inspector ensure the product is installed properly according to the code requirements or acceptance criteria.
- 9 Conditions of Use**—Statement that the product, as described in the ICC-ES Evaluation Report, complies with or is a suitable alternative to the requirements of the applicable code and a list of conditions under which the report is issued.
- 10 Evidence Submitted**—Data (i.e. test reports, calculations, installation instructions) that was used in evaluating the product.
- 11 Identification**—Information that can be used to identify the product, including the manufacturer's name, product code, ICC-ES Evaluation Report number, etc.



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ICC-ES Evaluation Report

ESR-4802

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- 1** DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 30 05—Roofing Felt and Underlayment
- 2** REPORT HOLDER:
ACME UNDERLAYMENTS UNLIMITED
52380 FLOWER STREET
CHICO, MONTANA 43820
(808) 664-1512
www.underlaymentsunlimited.com
- 3** EVALUATION SUBJECT:
UU 100 UNDERLAYMENT FOR ASPHALT SHINGLE ROOF COVERINGS IN SEVERE CLIMATE AREAS
- 4** 1.0 EVALUATION SCOPE
Compliance with the following codes:
 - 2012 and 2009 International Building Code® (IBC)
 - 2012 and 2009 International Residential Code® (IRC)
 Properties evaluated:
Ice barrier
- 5** 2.0 USES
UU 100 is a self-adhering, rubberized asphalt membrane, complying with ASTM D1970, that is used over plywood substrates as ice barriers as specified in Chapter 15 of the IBC and Chapter 9 of the IRC.
- 6** 3.0 DESCRIPTION
The UU 100 has a granule surfacing. The membrane has a silicone-treated release paper on the back that is removed prior to attachment to plywood sheathing. The membrane is a minimum of 0.040 inch (1.02 mm) thick and is supplied in rolls 36 inches(914 mm) wide and 66.7 feet (20.3 m) long.
- 7** 4.0 INSTALLATION
Installation of the UU 100 membrane must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions and this report must be available at the jobsite at all times during the installation.

Prior to application of the membrane, the deck surface must be free of frost, dust and dirt, loose nails and other protrusions. Damaged sheathing must be replaced. Installation is limited to plywood substrates. The membrane is designed for applications when the ambient air temperature is above 40°F (4.4°C).
- 8**

Vertical ends and horizontal edges must be overlapped a minimum, respectively, of 6 inches (152 mm) and 3 1/2 inches (89 mm). Horizontal edge overlaps must run with the flow of water in a shingling effect. A minimum of two layers of the membrane must be applied, starting at the lower edge (eave) of the roof, and extend a minimum of 24 inches (610 mm) inside the exterior wall line of the building. Final coverage width must comply with the code.

Installation of the roof covering can proceed immediately following application of the membrane. The membrane must be covered by an approved roof covering as soon as possible. For reroofing applications, the same procedures apply after removal of the old roof covering and roofing felts to expose the plywood roof deck.

5.0 CONDITIONS OF USE
The UU 100 membrane described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** Installation must comply with this report and the manufacturer's published installation instructions. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2** Installation is limited to use on plywood substrates on structures located in areas where nonclassified roof coverings are permitted.
- 5.3** Installation is limited to use with roof coverings that are mechanically fastened through the underlayment to the sheathing or rafters.
- 5.4** Installation is limited to roofs with ventilated attic spaces, in accordance with the requirements of the applicable code.

6.0 EVIDENCE SUBMITTED

- 6.1** Data in accordance with the ICC-ES Acceptance Criteria for Self-adhered Roof Underlayment for Use as an Ice Barrier in Severe Climate Areas (AC48), dated February 2012.
- 6.2** Reports of testing in accordance with ASTM D1970.

7.0 IDENTIFICATION
The membrane is identified by labels on the rolls or packaging, displaying the Acme Underlayments Unlimited's name and address, the product name, the evaluation report number ESR-4802.

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